

#3

Express Mail No.: EL197650401US

Docket No.: 21327-701CON2

**In The United States Patent and Trademark Office**

Applicant: Gill et al.,

Examiner: To Be Assigned

Serial No.: 09/805,761

Group Art Unit: 1635

Filing Date: March 13, 2001

Title: Methods and Compositions for Antisense VEGF Oligonucleotides

Box Missing Parts  
Commissioner for Patents  
Washington, D.C. 20231

**PETITION TO ACCEPT COLOR PHOTOGRAPHS**

**(37 C.F.R. §1.84(b)(2))**

Sir:

This petition is for the acceptance of color photographs (37 C.F.R. §1.84(b)(2)).

Attached hereto are three sets of color photographs for Figures 23A-23O of the above referenced application. The reason for the need for color photographs in this application are that color photographs are the practicable media for illustrating fluorescent labeling. Granting of this petition is respectfully requested. An Preliminary Amendment requesting amendment of the specification to refer to the Color Photographs is also filed concurrently herewith.

Please charge Deposit Account No. 50-1189, Docket No.: 21327-701CON2, in the amount of \$130.00 to cover the petition fee as set forth in 37 C.F.R. §1.17(h). The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1189, Docket No.: 21327-701CON2. *A duplicate of this sheet is enclosed.*

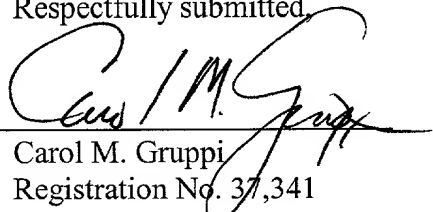
Date: November 16, 2001

Respectfully submitted,

11/27/2001 BARAHAI 00000027 501189 09805761

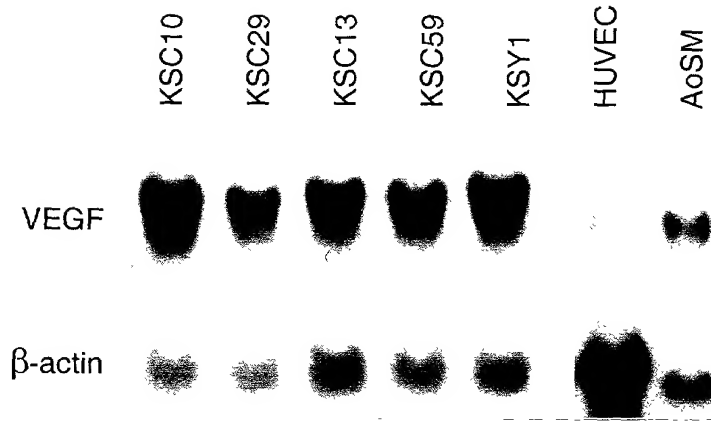
02 FD:122 130.00 04

By:

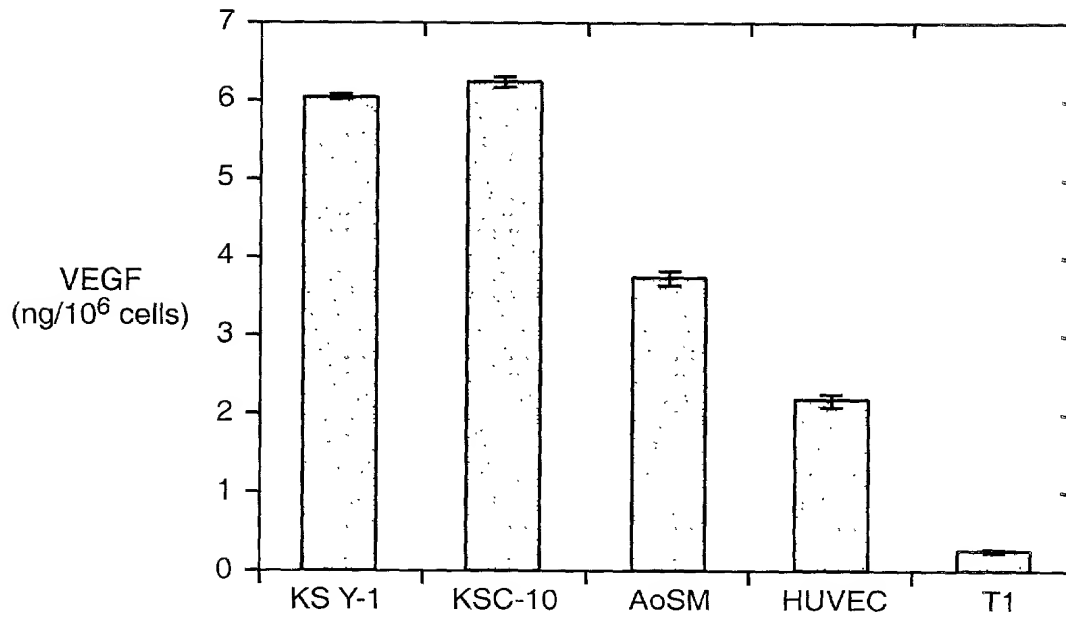
  
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Telephone: (650) 849-4902  
Telefax: (650) 849-4800

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**FIG. 1A**



**FIG. 1B**

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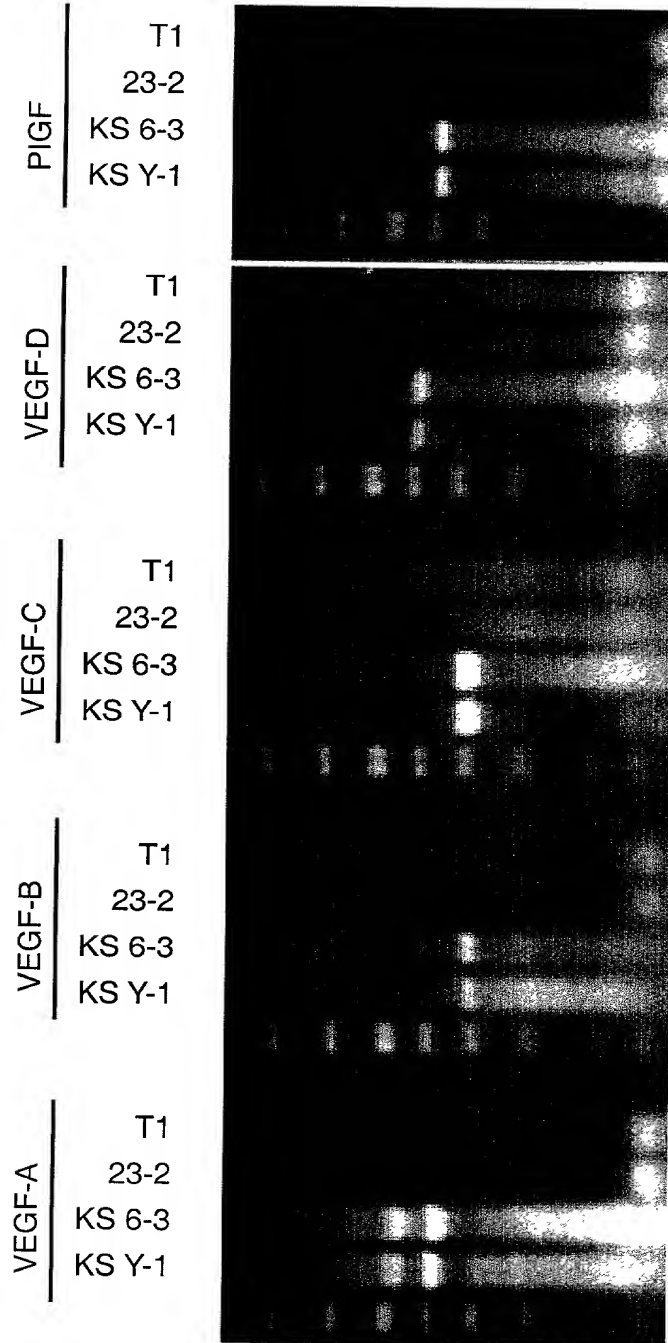
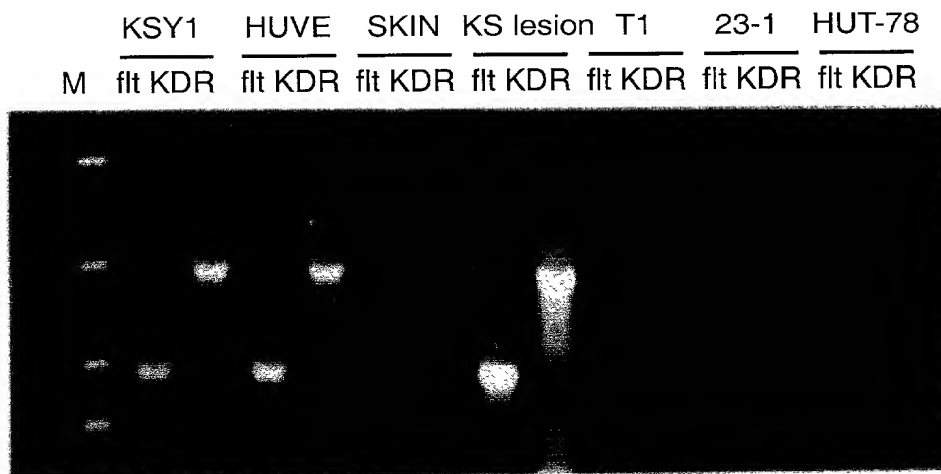
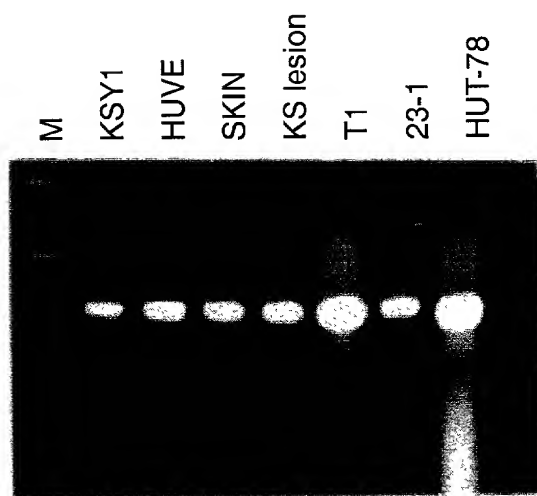


FIG.\_2

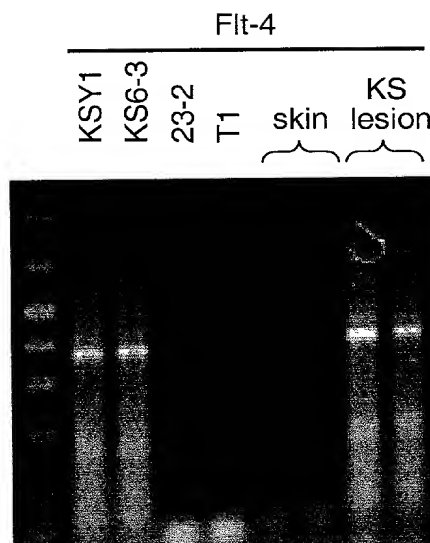
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**FIG.\_3A**

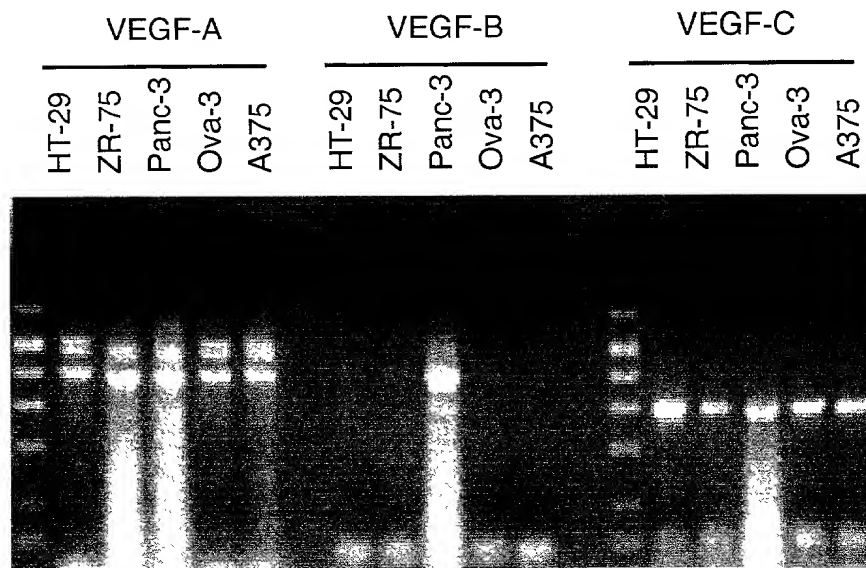


**FIG.\_3B**

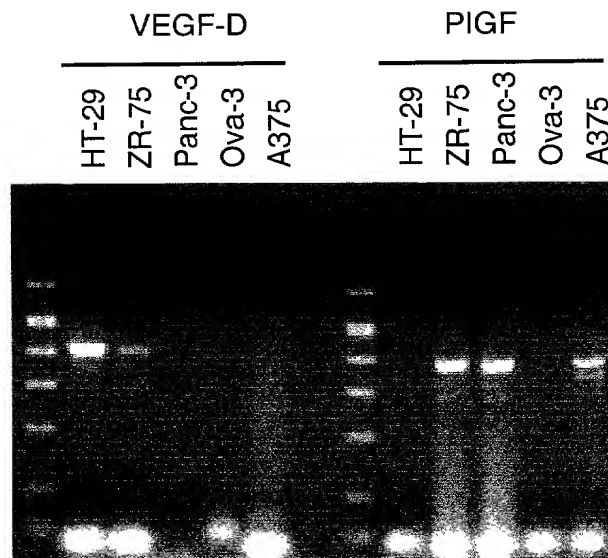


**FIG.\_4**

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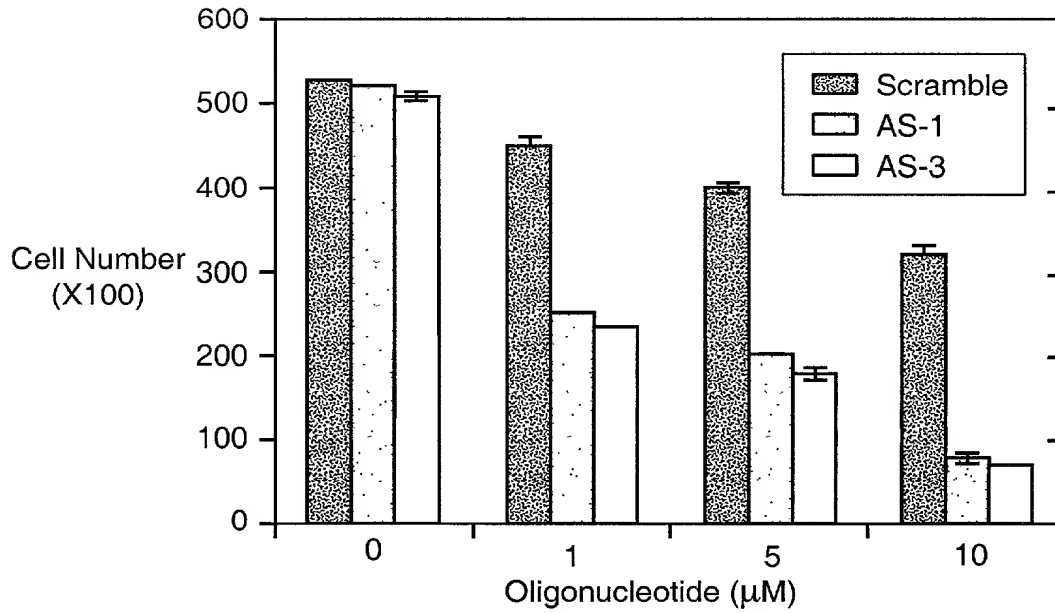


**FIG.\_5A**

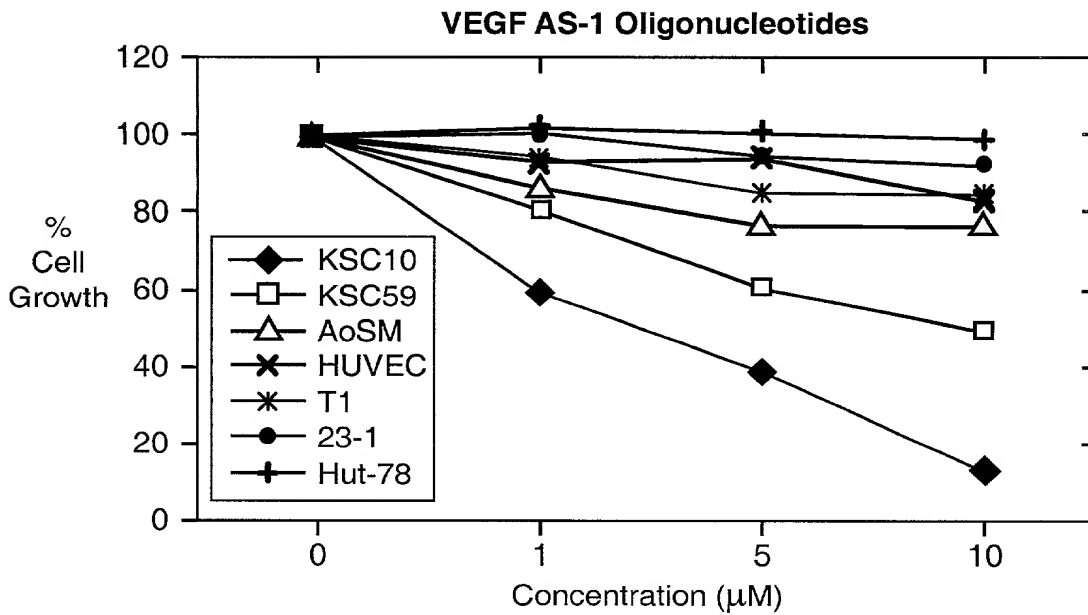


**FIG.\_5B**

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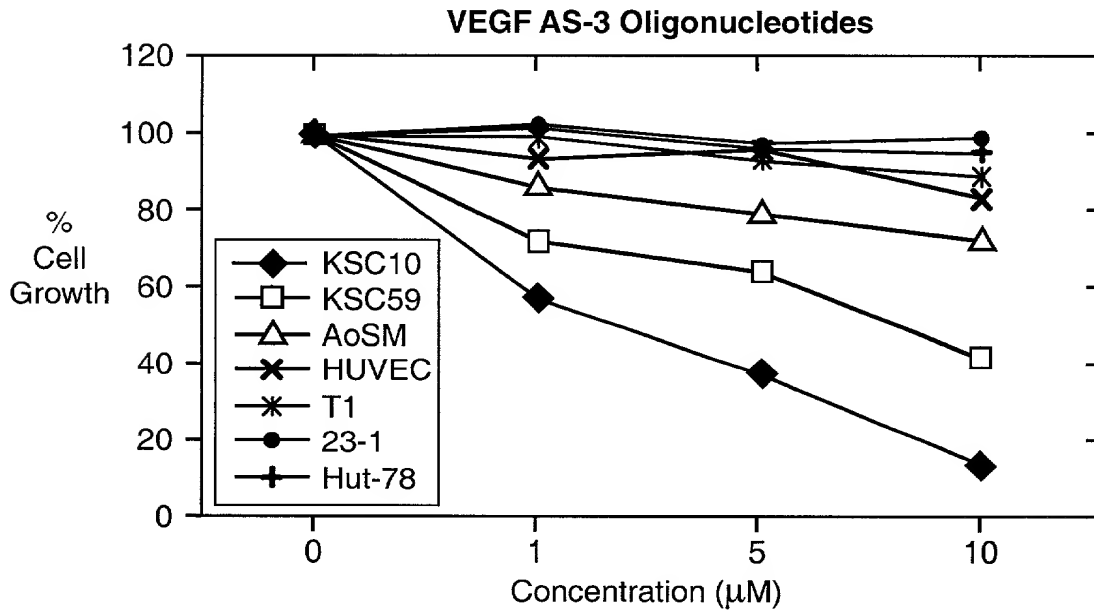


**FIG.\_6A**

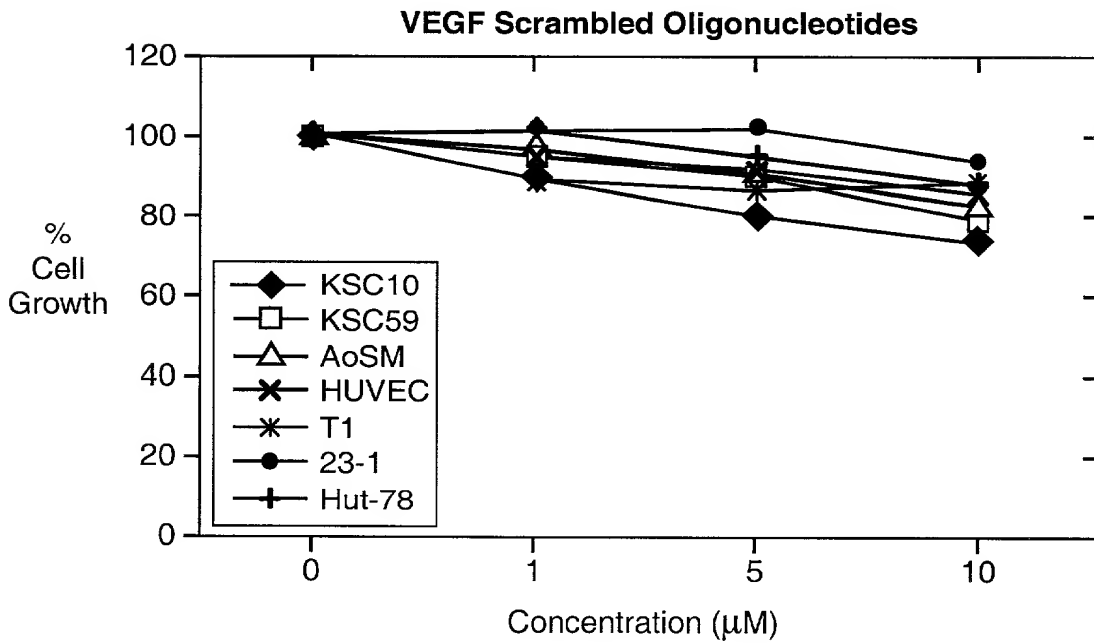


**FIG.\_6B**

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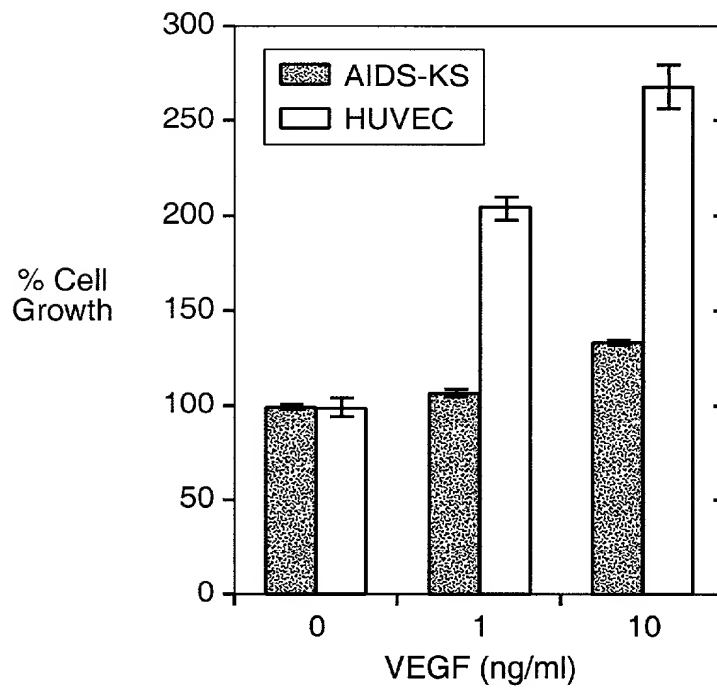


**FIG.\_6C**

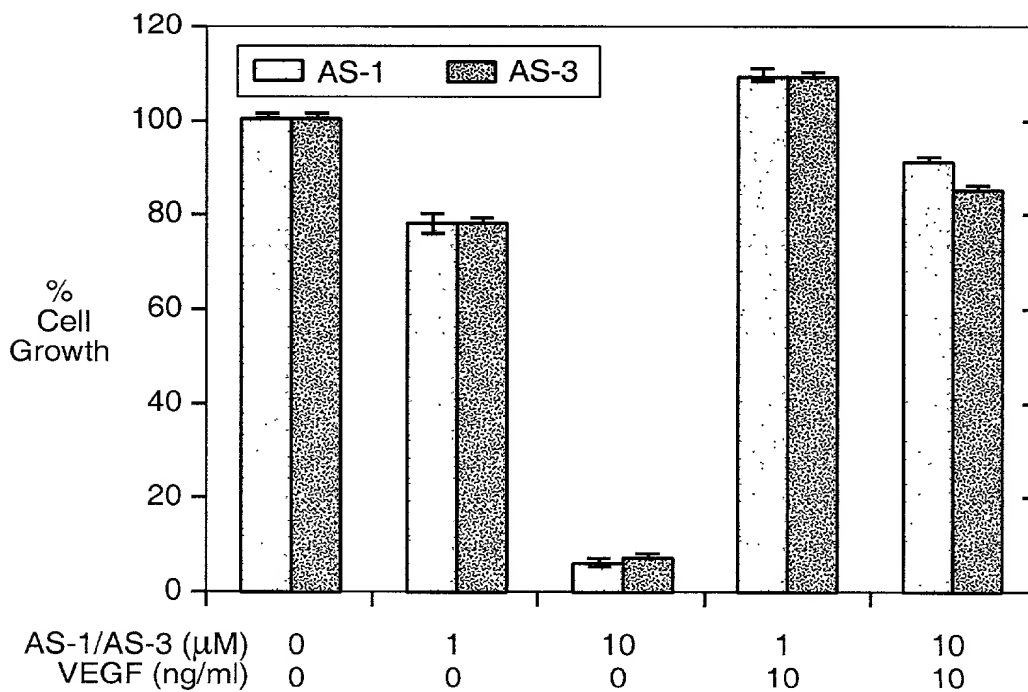


**FIG.\_6D**

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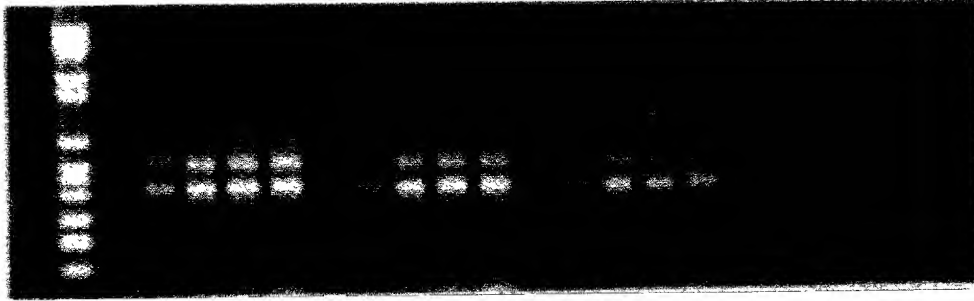
**FIG.\_6E**



**FIG.\_6F**

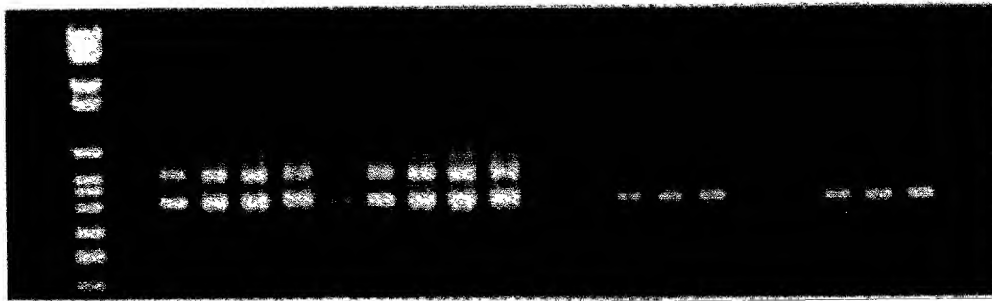
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| NT |    |    |    |    |    | 1 $\mu$ M AS-1 |    |    |    |    |    | 5 $\mu$ M AS-1 |    |    |    |    |    | 10 $\mu$ M AS-1 |    |    |    |    |    |
|----|----|----|----|----|----|----------------|----|----|----|----|----|----------------|----|----|----|----|----|-----------------|----|----|----|----|----|
| M  | 25 | 29 | 33 | 37 | 41 | M              | 25 | 29 | 33 | 37 | 41 | M              | 25 | 29 | 33 | 37 | 41 | M               | 25 | 29 | 33 | 37 | 41 |



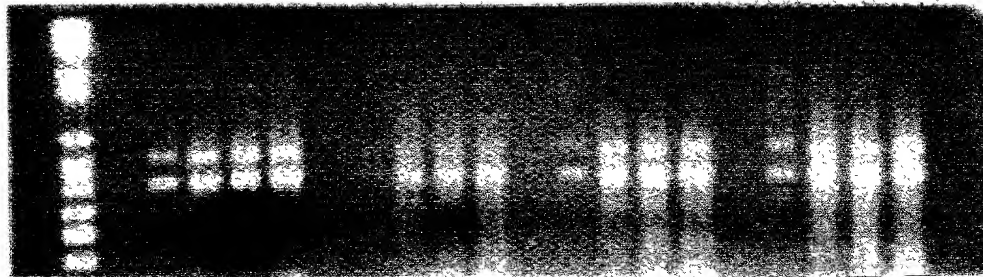
**FIG. 7A**

| NT |    |    |    |    |    | 1 $\mu$ M AS-3 |    |    |    |    |    | 5 $\mu$ M AS-3 |    |    |    |    |    | 10 $\mu$ M AS-3 |    |    |    |    |    |
|----|----|----|----|----|----|----------------|----|----|----|----|----|----------------|----|----|----|----|----|-----------------|----|----|----|----|----|
| M  | 25 | 29 | 33 | 37 | 41 | M              | 25 | 29 | 33 | 37 | 41 | M              | 25 | 29 | 33 | 37 | 41 | M               | 25 | 29 | 33 | 37 | 41 |



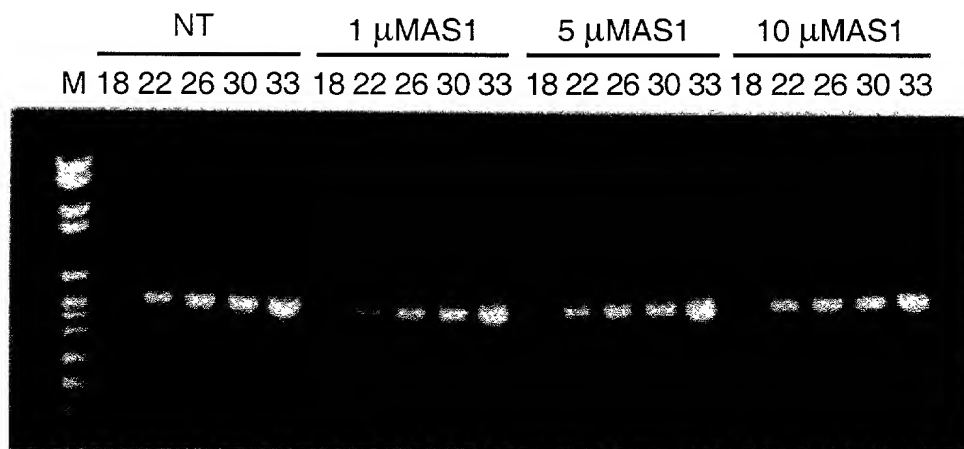
**FIG. 7B**

| NT |    |    |    |    |    | 1 $\mu$ M S |    |    |    |    |    | 5 $\mu$ M S |    |    |    |    |    | 10 $\mu$ M S |    |    |    |    |    |
|----|----|----|----|----|----|-------------|----|----|----|----|----|-------------|----|----|----|----|----|--------------|----|----|----|----|----|
| M  | 25 | 29 | 33 | 37 | 41 | M           | 25 | 29 | 33 | 37 | 41 | M           | 25 | 29 | 33 | 37 | 41 | M            | 25 | 29 | 33 | 37 | 41 |

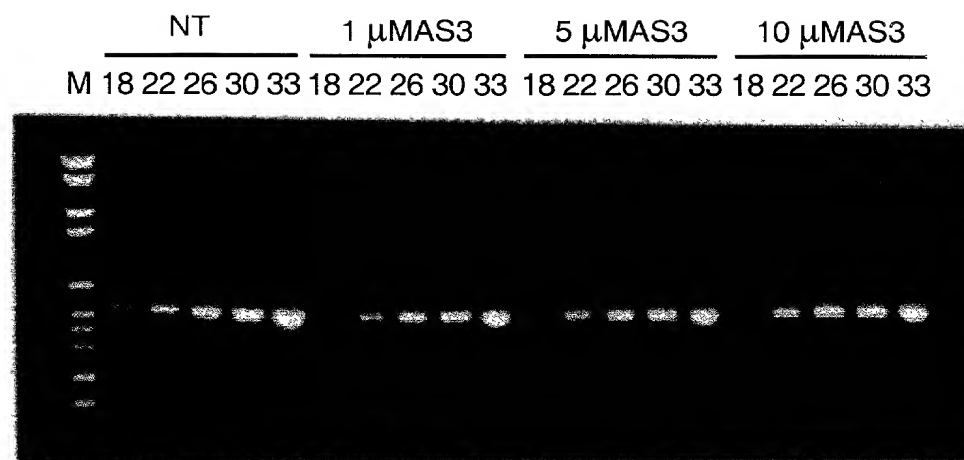


**FIG. 7C**

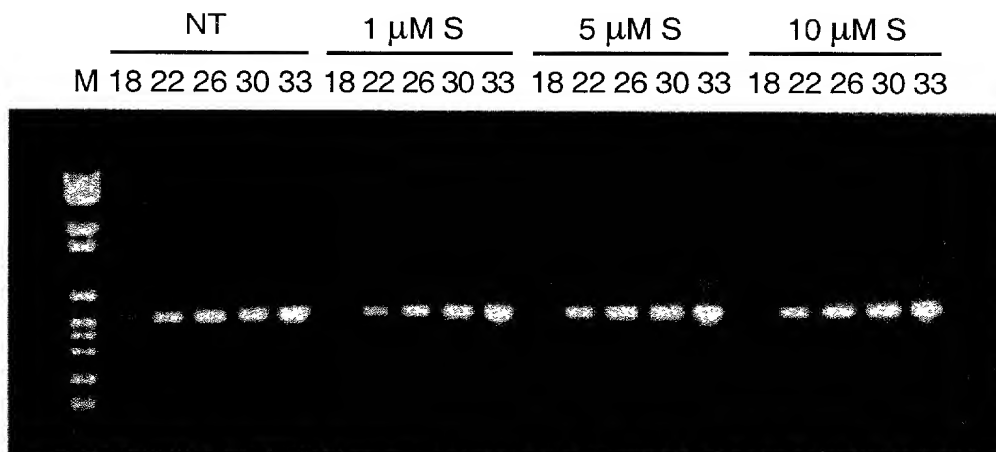
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**FIG.\_7D**

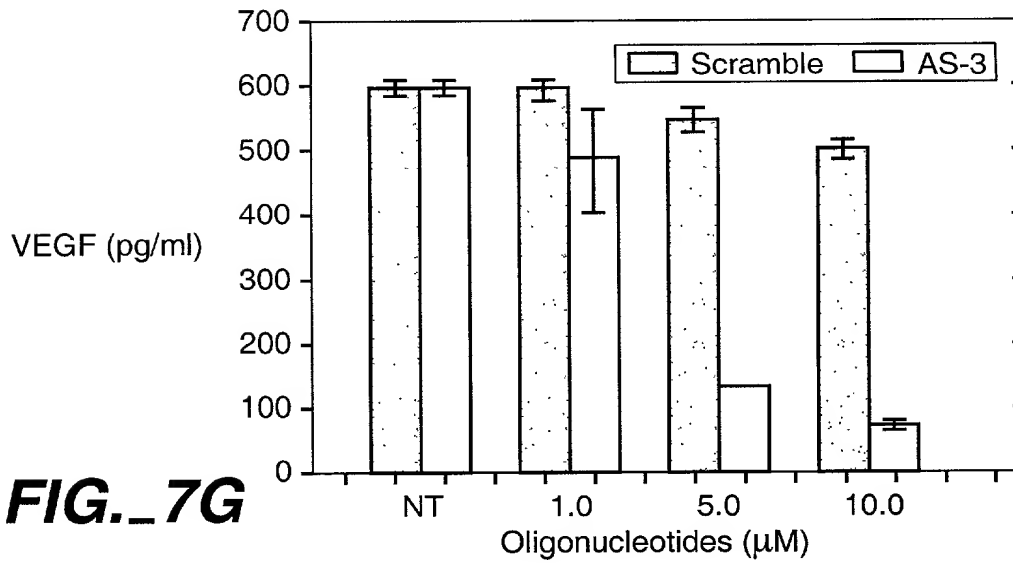


**FIG.\_7E**

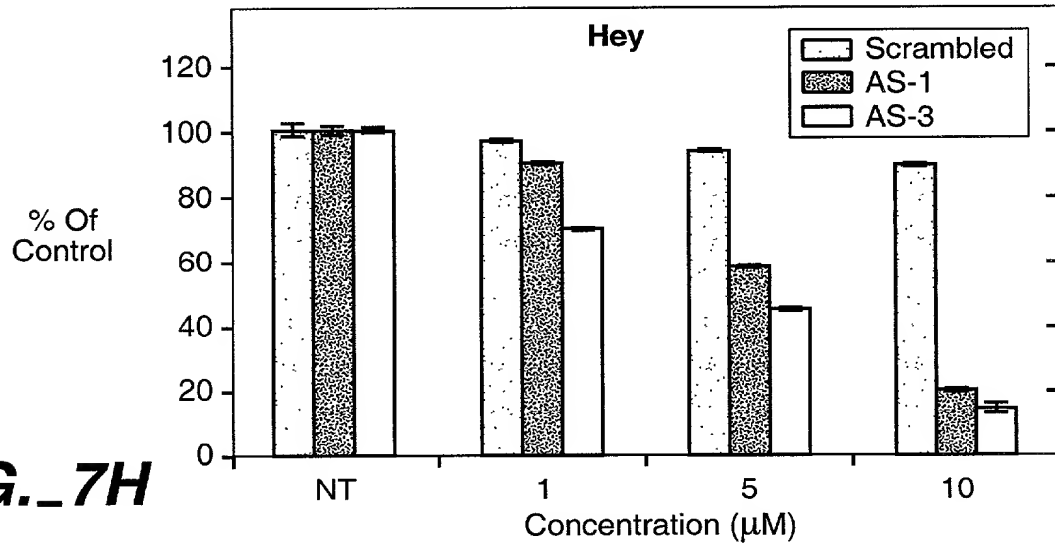


**FIG.\_7F**

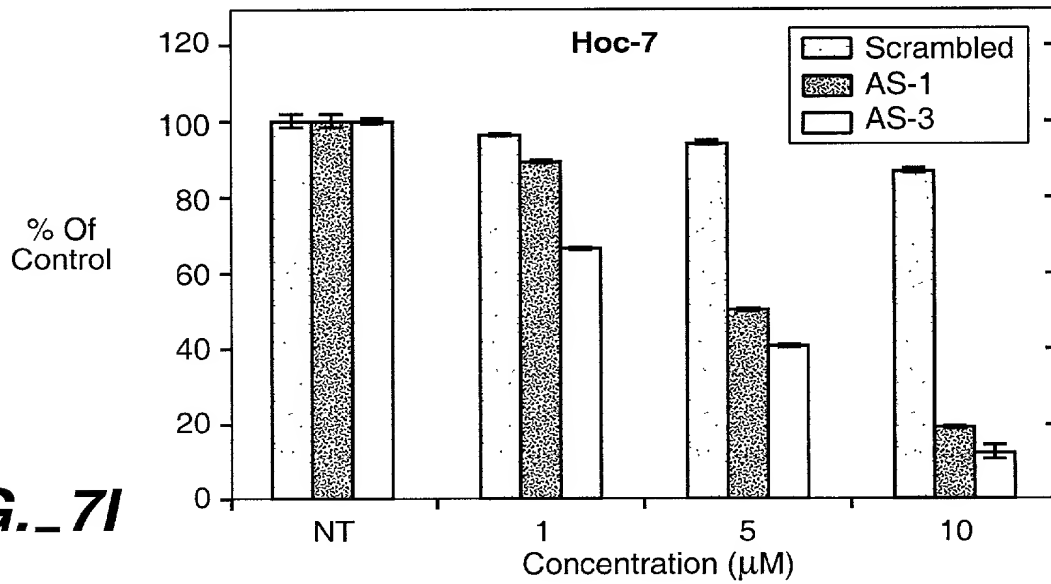
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**FIG.\_7G**

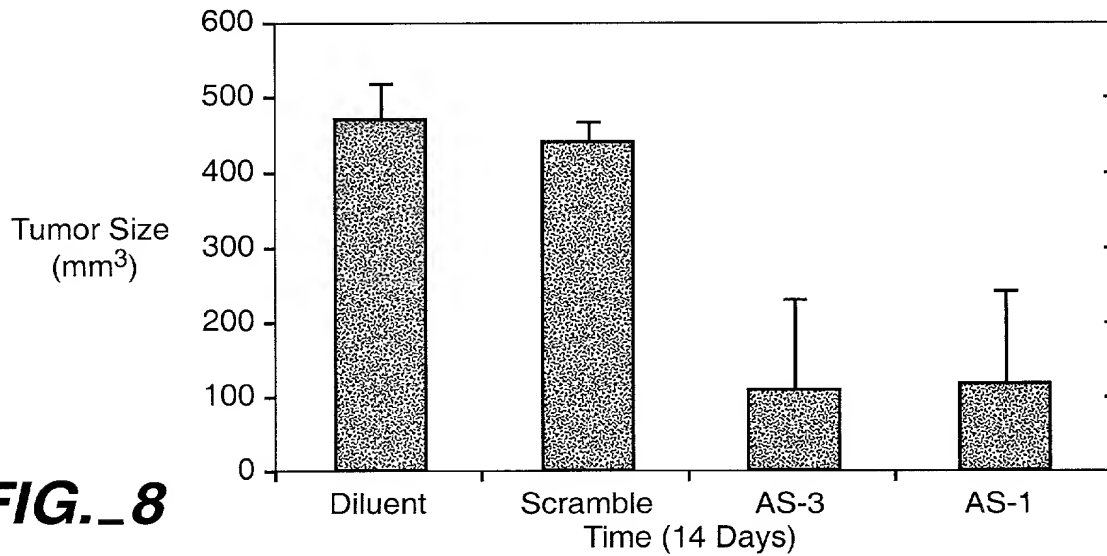
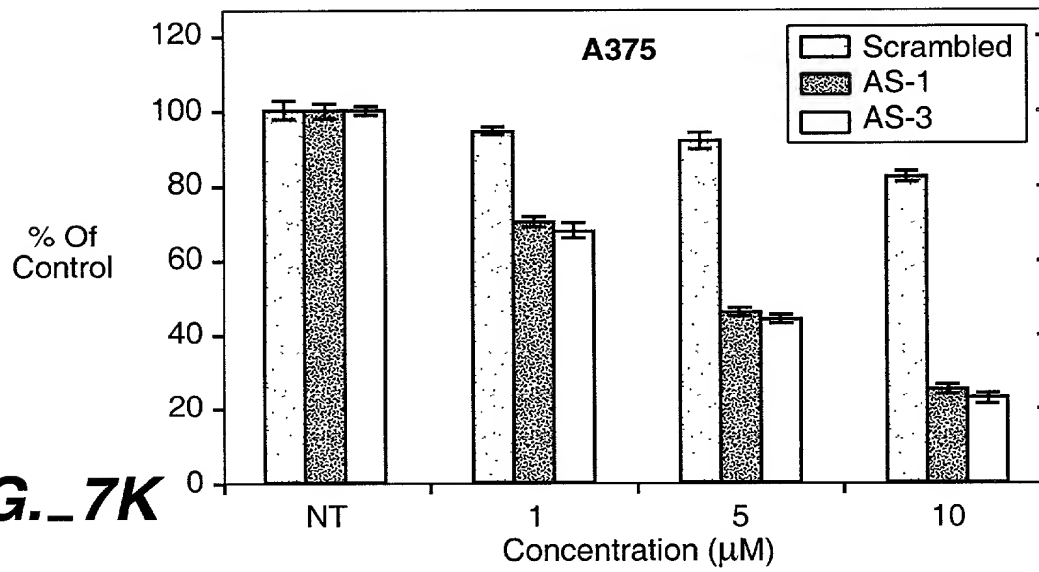
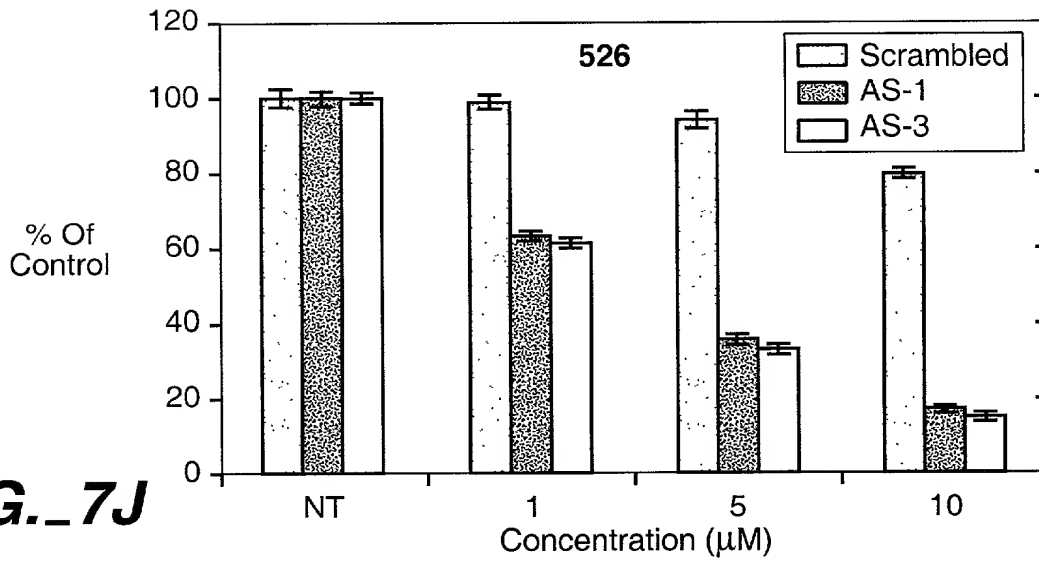


**FIG.\_7H**

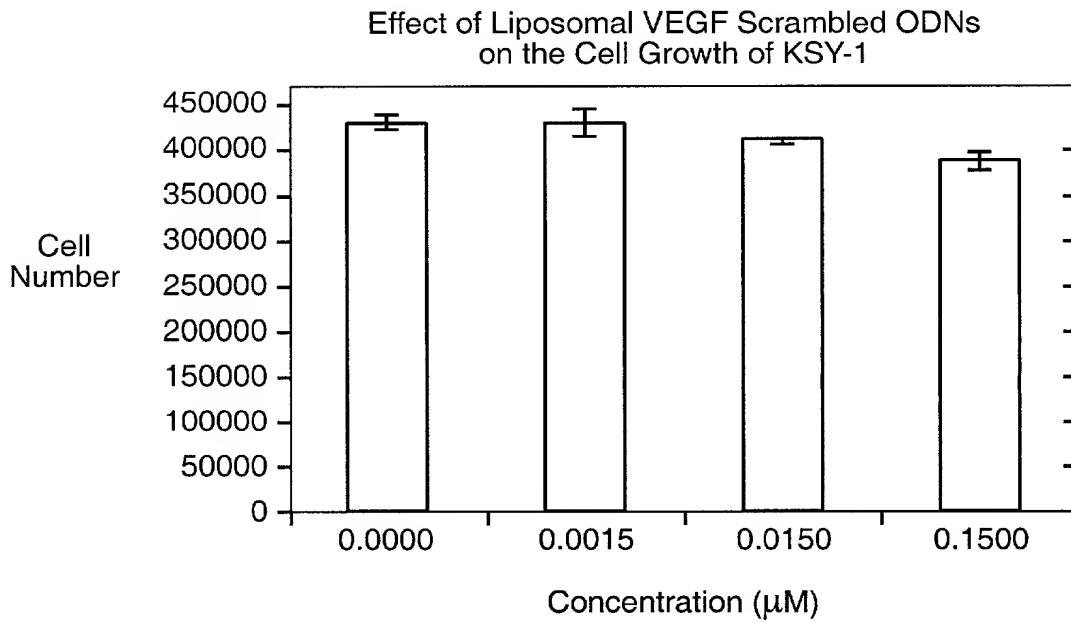


**FIG.\_7I**

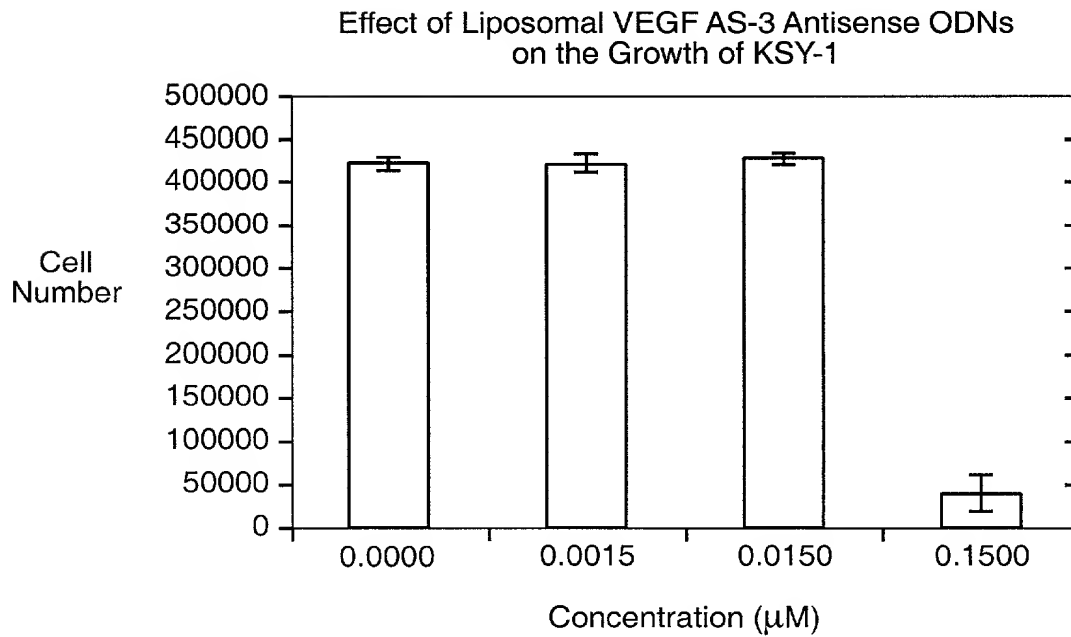
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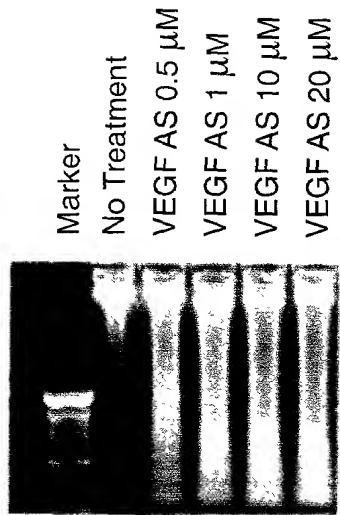


**FIG. 9A**

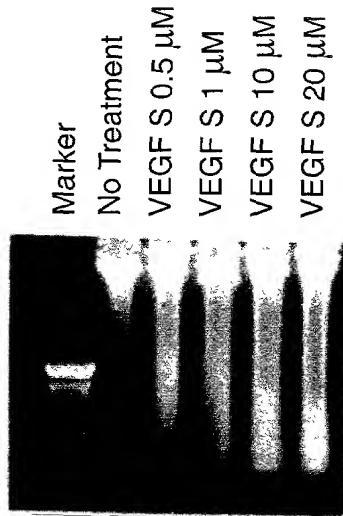


**FIG. 9B**

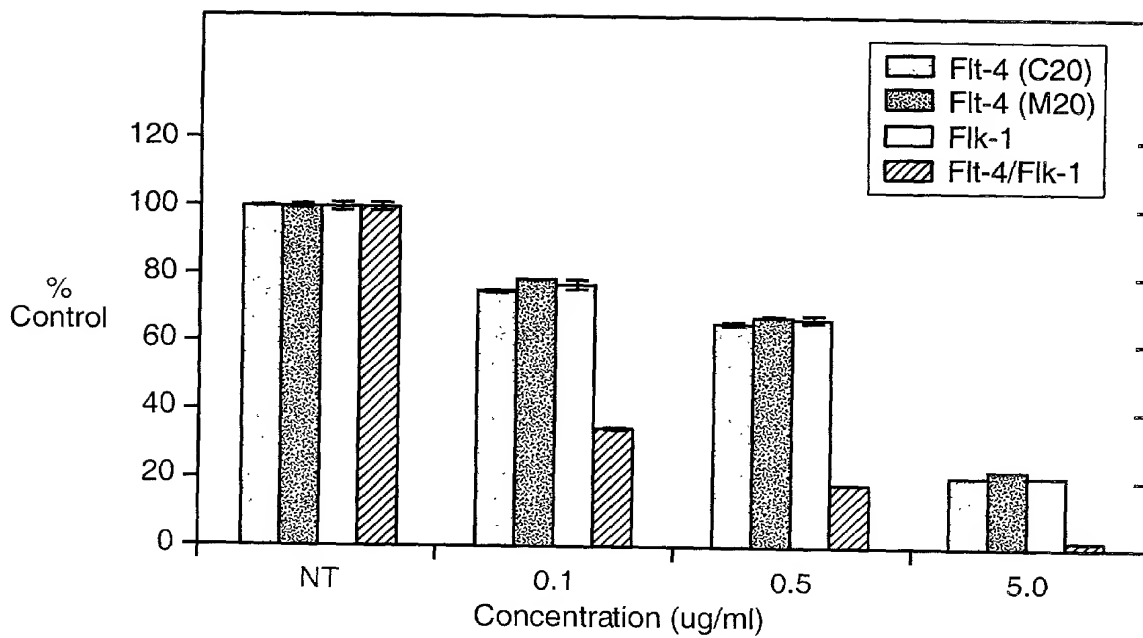
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**FIG. 10A**

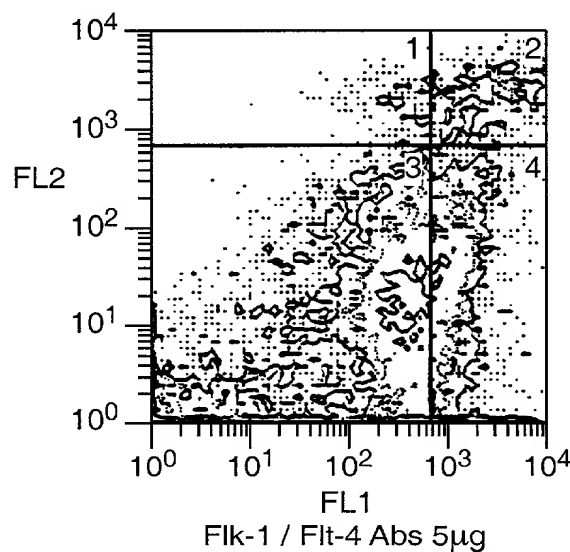
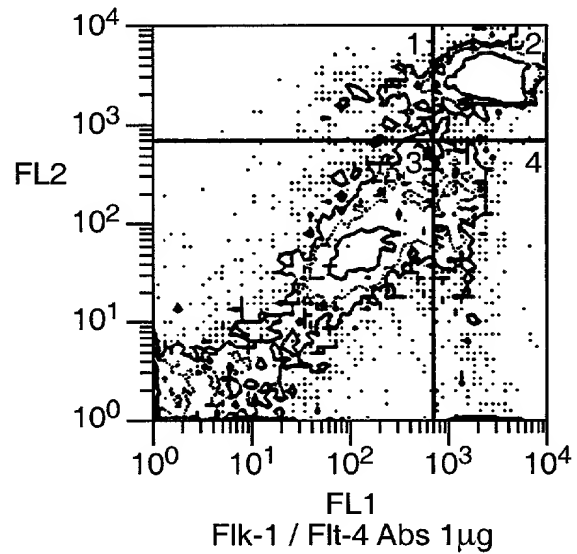
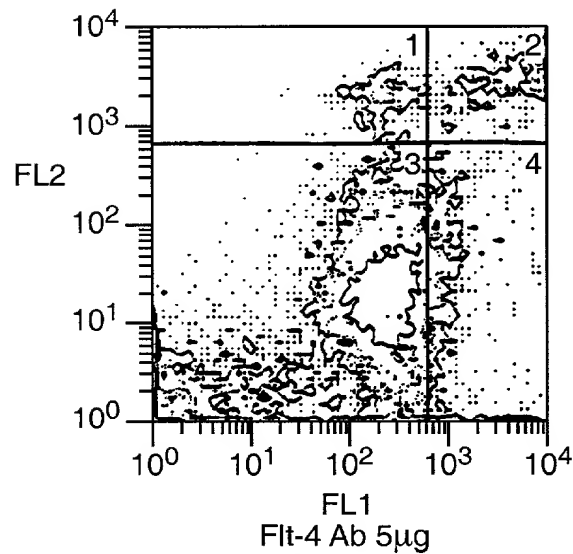
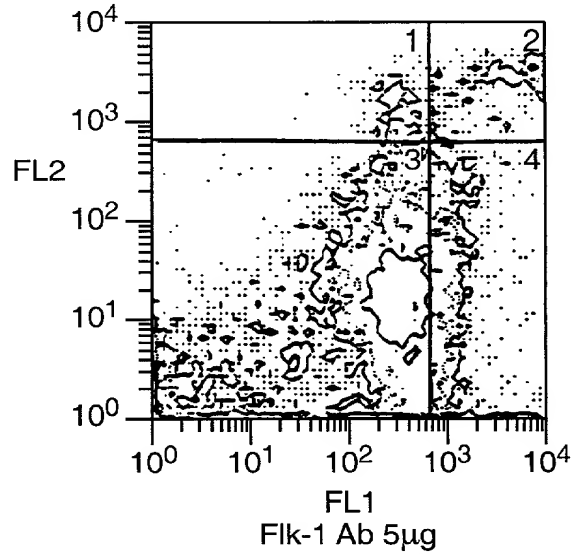
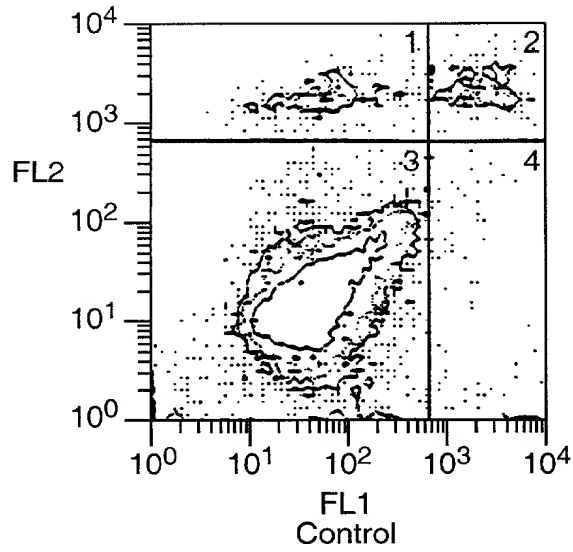


**FIG. 10B**

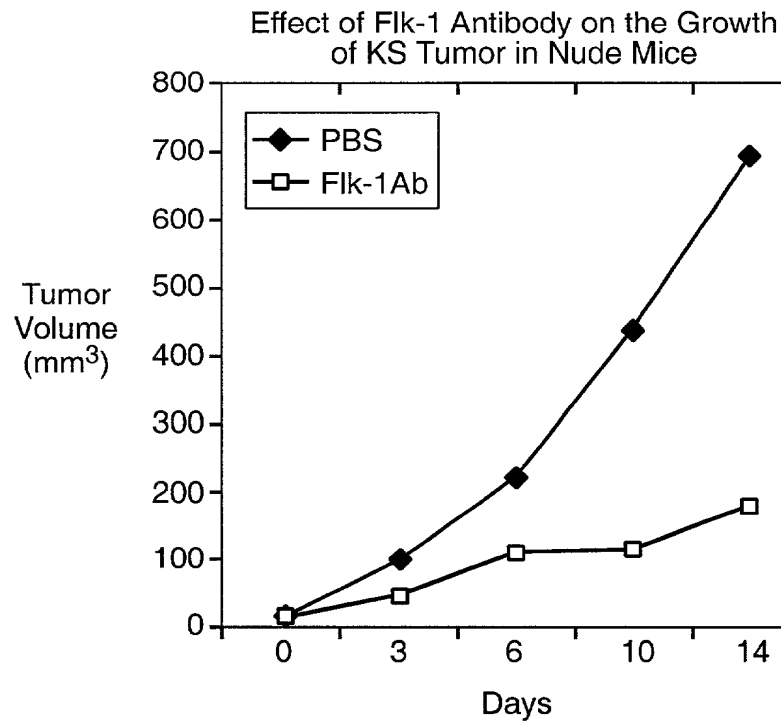


**FIG. 11A**

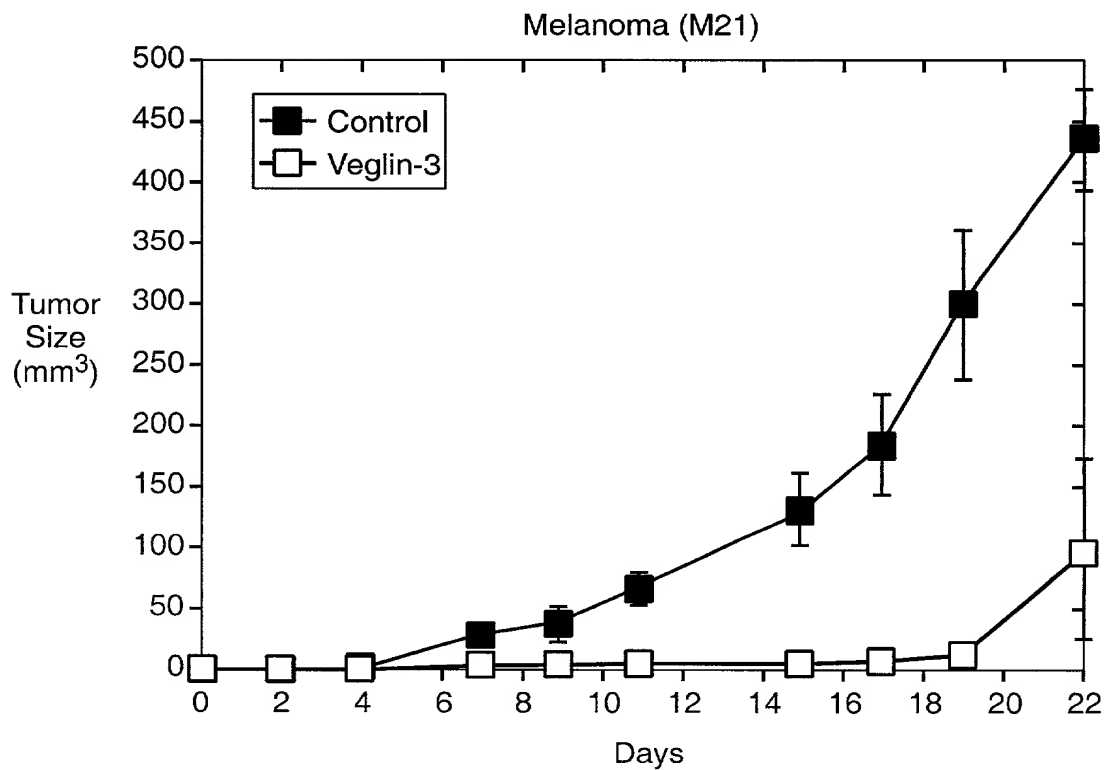
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**FIG. 12**



**FIG. 13**

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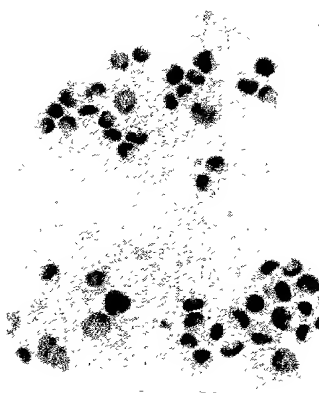
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\* SEQ ID NO: 10 \_\_\_\_\_ 268-288  
\* SEQ ID NO: 11 \_\_\_\_\_ 267-287  
\* SEQ ID NO: 12 \_\_\_\_\_ 266-286  
\*\* SEQ ID NO: 13 \_\_\_\_\_ 265-285  
\*\* SEQ ID NO: 14 \_\_\_\_\_ 264-284  
\* SEQ ID NO: 15 \_\_\_\_\_ 263-283  
\* SEQ ID NO: 16 \_\_\_\_\_ 262-282  
SEQ ID NO: 30 VEGF-A AGATCGAGTACATCTTCAAGCCATCCTGTGTGCCCTGATGCGGCGGCTGCTGCAAT  
SEQ ID NO: 31 VEGF-C CGA~~CAAA~~ACACCTTCTTTAAACCTCCATGTGTGTCCGTCCTACAGATGTGGGGGGTTGCTGCAAT  
SEQ ID NO: 32 VEGF-D GTACCAACACATCTTCAAGCCCTTGTGTGAACGTGTTCCGATGTGGTGGCTGTTGCAAT  
\* SEQ ID NO: 29 \_\_\_\_\_ 271-293  
\*\* SEQ ID NO: 2 \_\_\_\_\_ 261-281  
\* SEQ ID NO: 17 \_\_\_\_\_ 260-280  
\* SEQ ID NO: 18 \_\_\_\_\_ 259-279  
\* SEQ ID NO: 20 \_\_\_\_\_ 265-284  
\* SEQ ID NO: 21 \_\_\_\_\_ 266-284

FIG. 14

FIG. 15G

**FIG.\_15G**

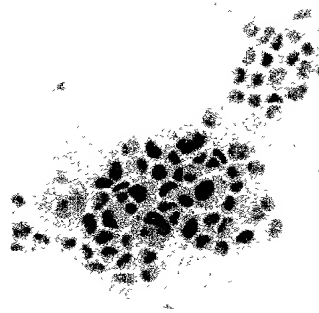
Control



Hoc-7

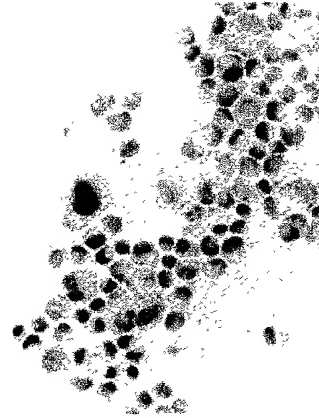
**FIG.\_15H**

VEGFR-1

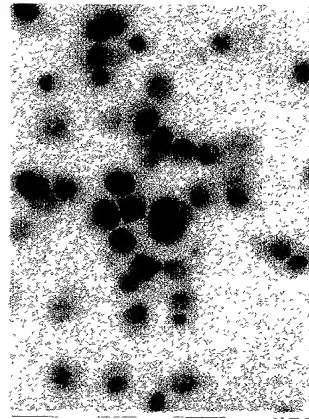


**FIG.\_15I**

VEGFR-2

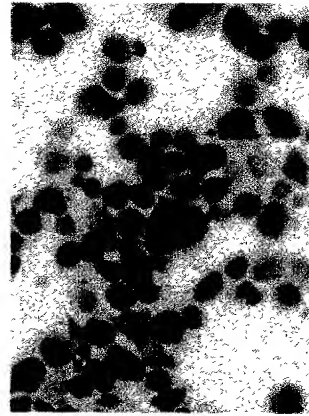


Control

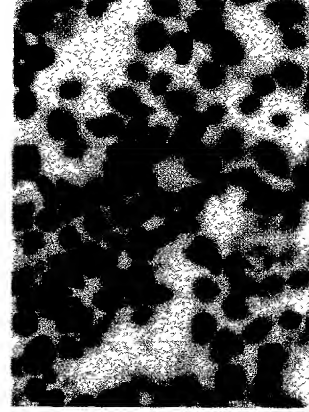


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VEGFR-1



VEGFR-2

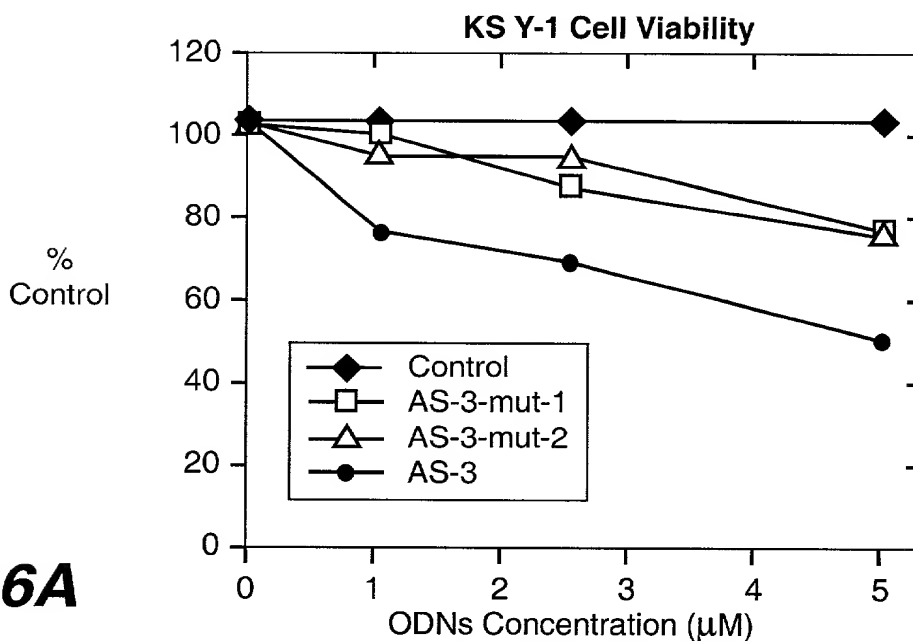


**FIG.\_15J**

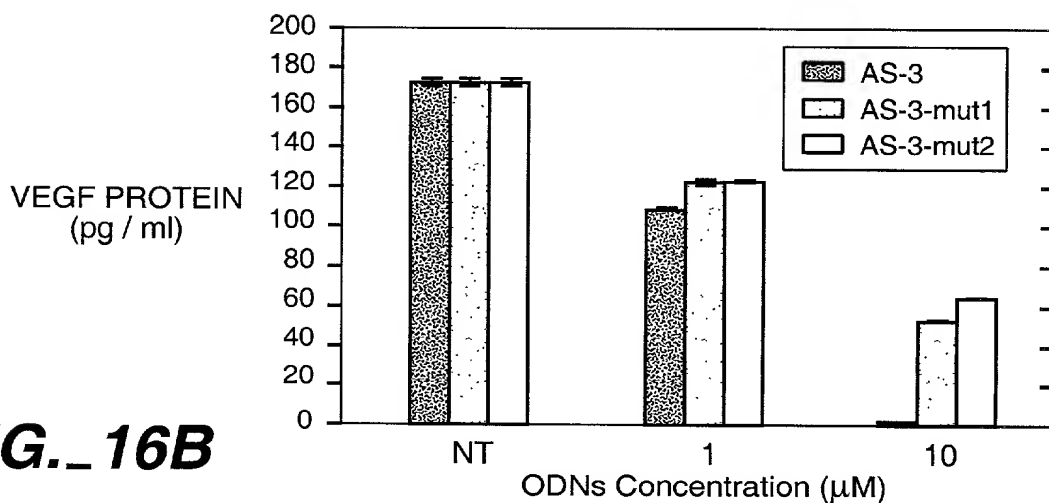
**FIG.\_15K**

**FIG.\_15L**

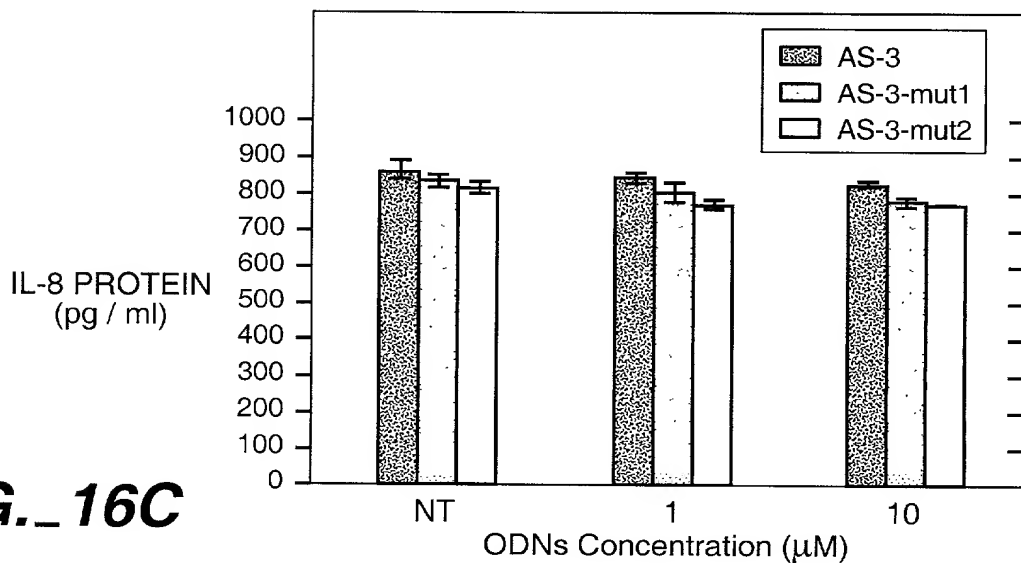
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**FIG.\_16A**



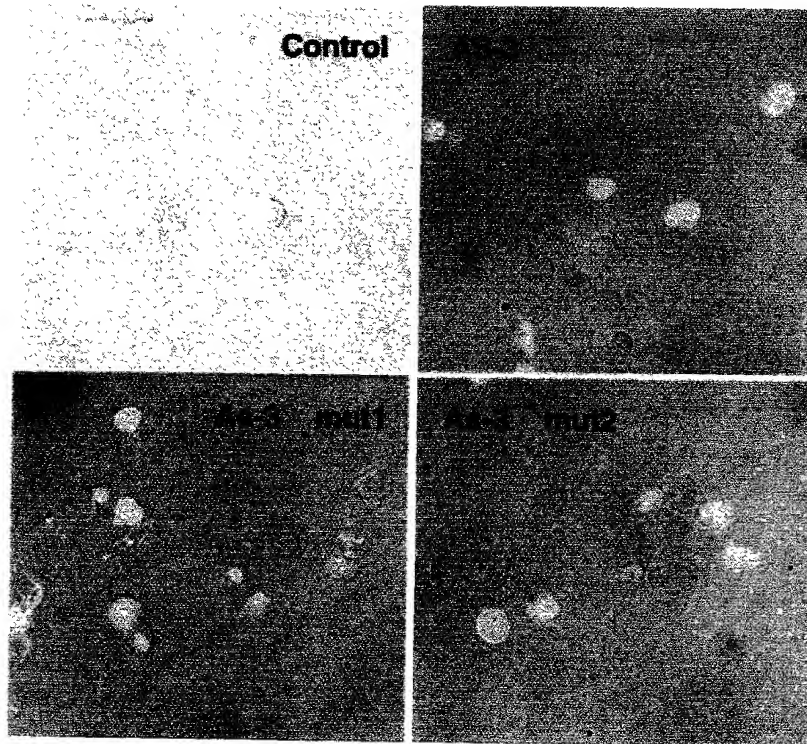
**FIG.\_16B**



**FIG.\_16C**

**FIG.\_16D**

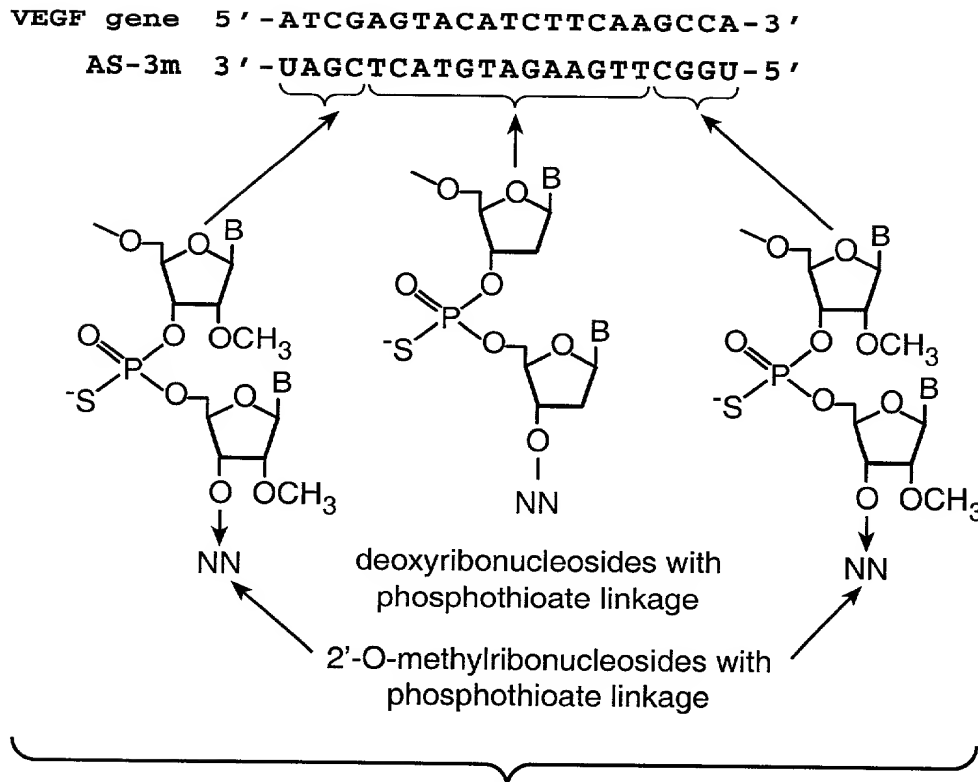
**FIG.\_16E**



**FIG.\_16F**

**FIG.\_16G**

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**FIG.\_17A**

|       |                       |
|-------|-----------------------|
| VEGFA | ATCGAGTACATCTTCAAGCCA |
| VEGFB | GTGGCCAAACAGCTGGTGCC  |
| VEGFC | ACAAACACCTTCTTTAAACCT |
| PlGF  | GTGGAGCACATGTTTCAGCCA |
| VEGFD | ACCAACACATTCTTCAAGCCC |

**FIG.\_17B**

|       |                       |
|-------|-----------------------|
| Human | ATCGAGTACATCTTCAAGCCA |
| Mouse | ATAGAGTACATCTTCAAGCCG |

**FIG.\_17C**

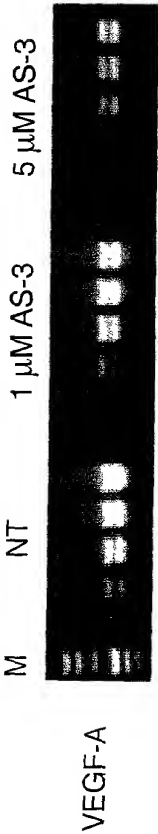


FIG.\_18A

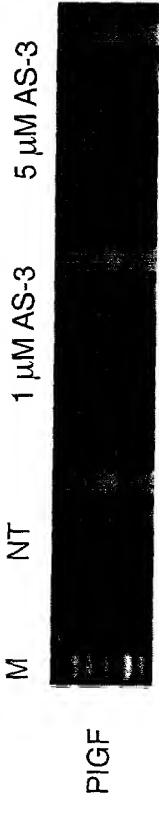


FIG.\_18C



FIG.\_18E

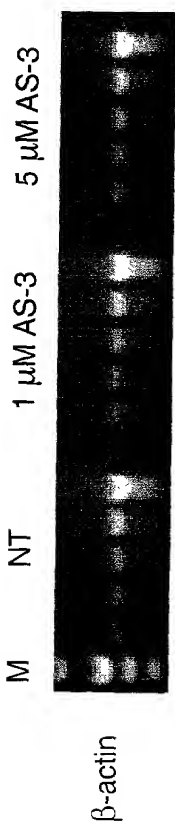


FIG.\_18G

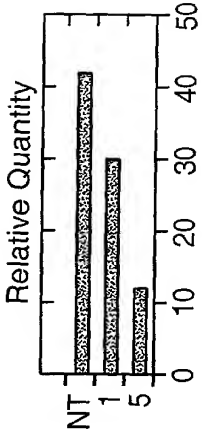


FIG.\_18B

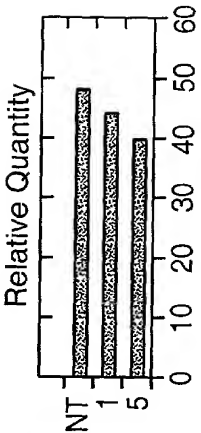


FIG.\_18D

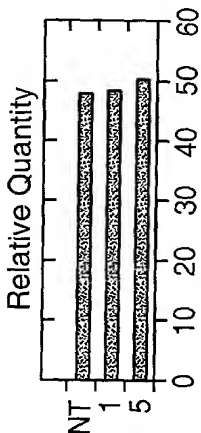


FIG.\_18F

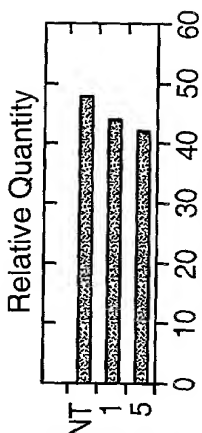
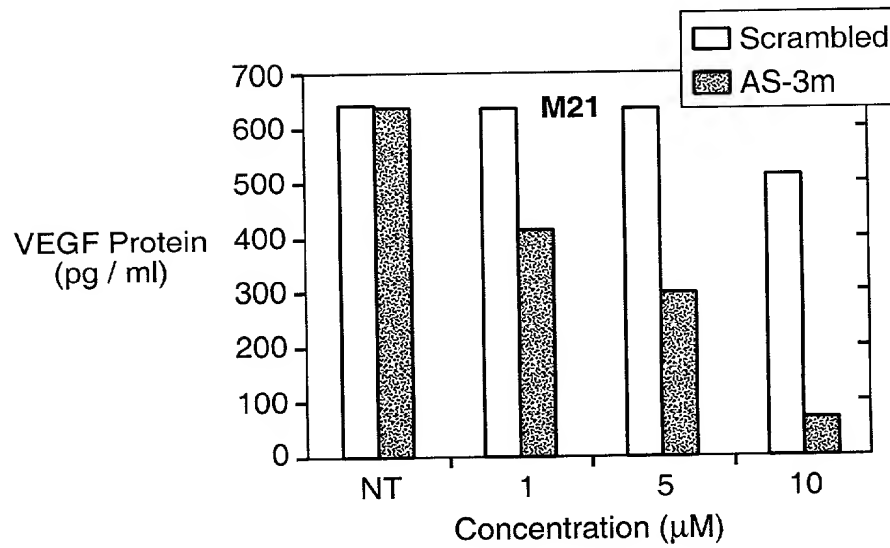


FIG.\_18H

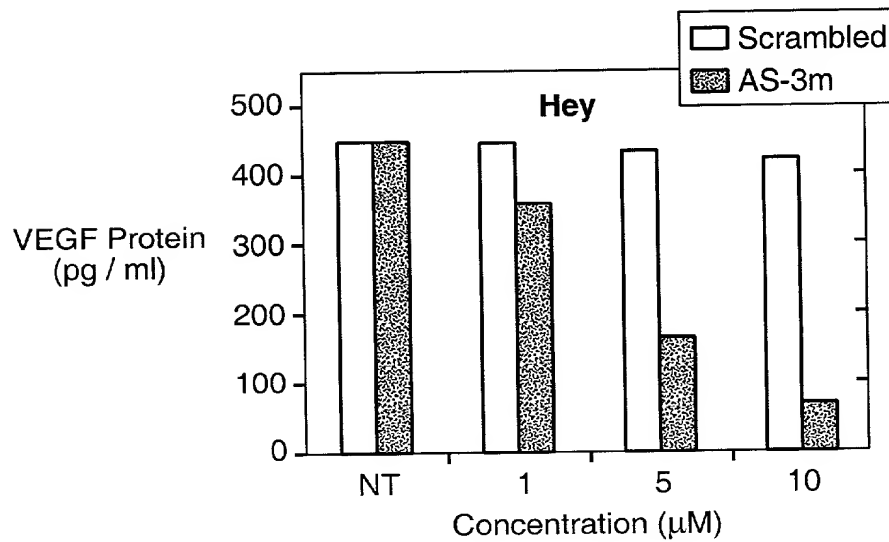
FIG.\_18I



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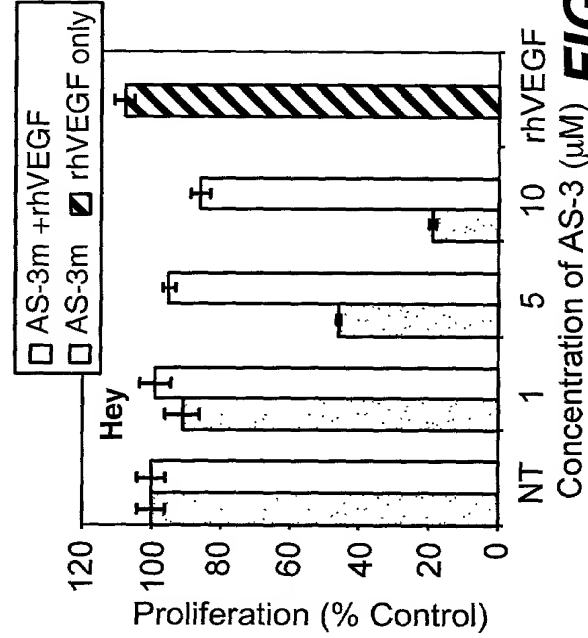
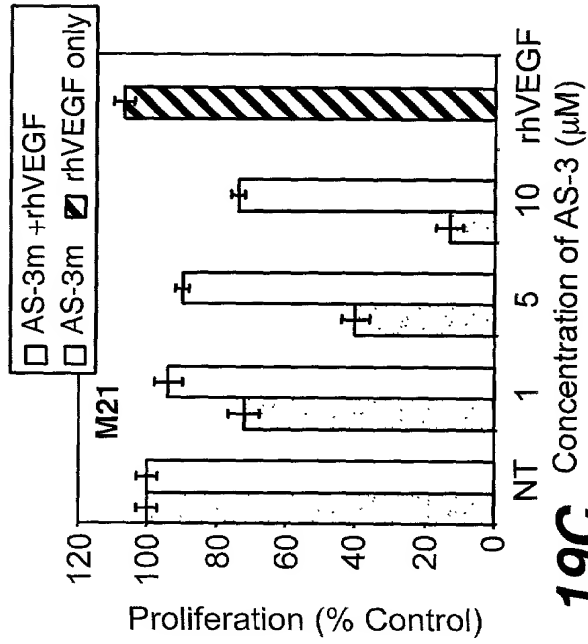
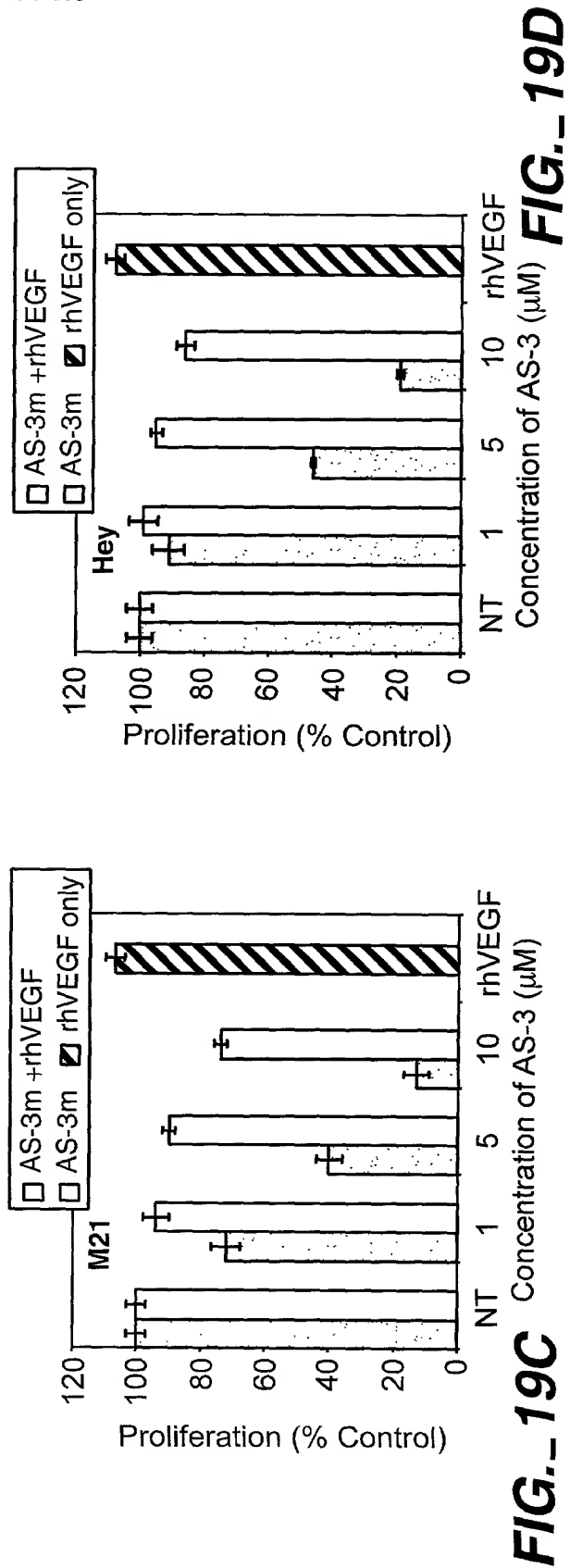
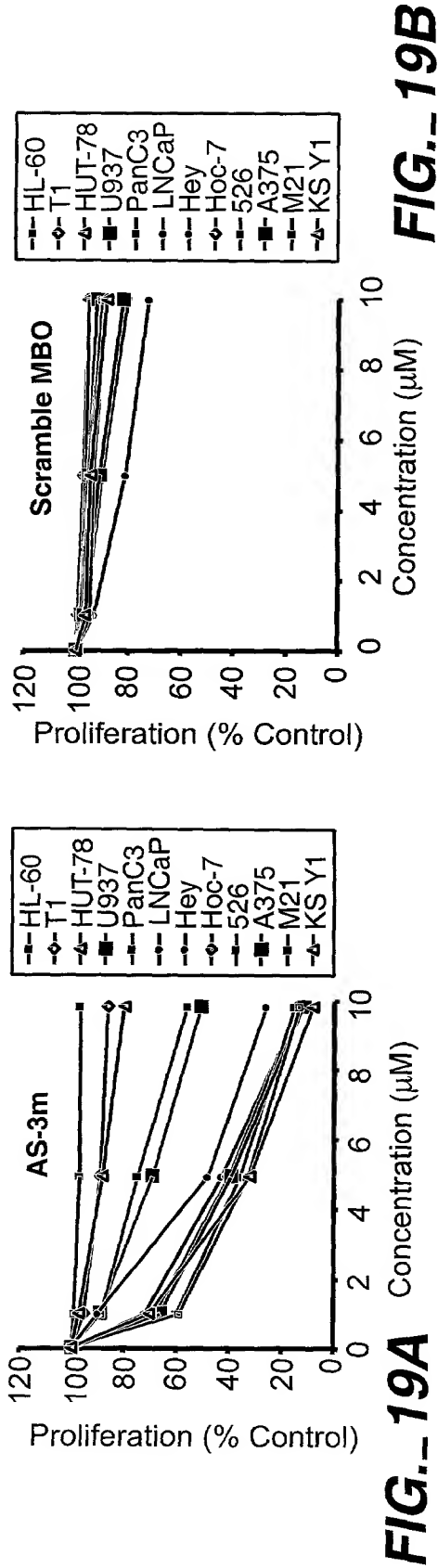


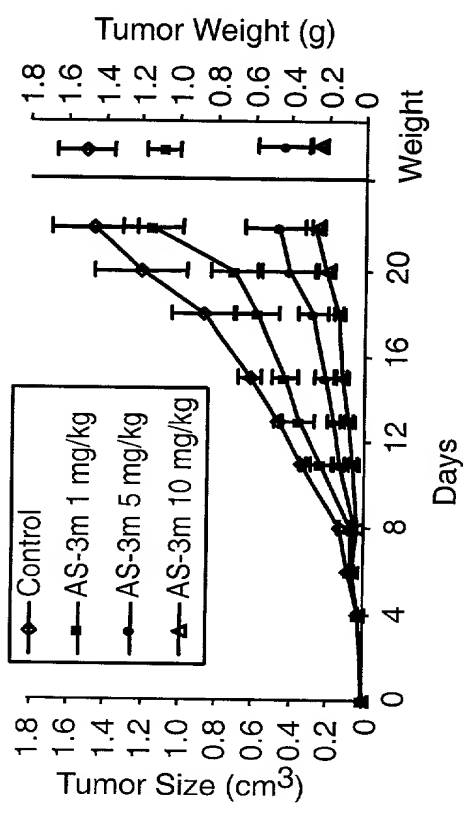
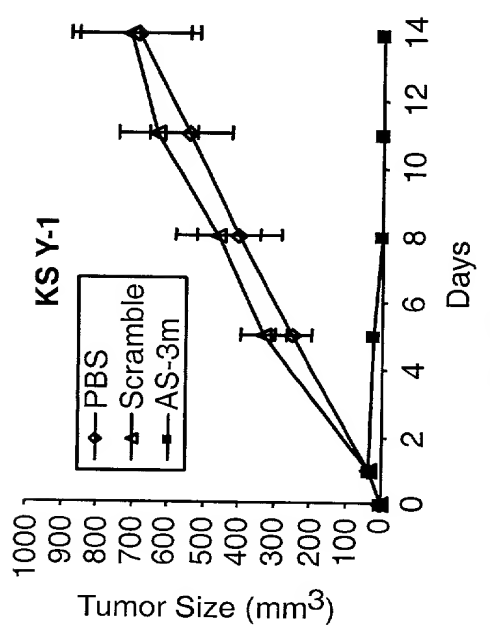
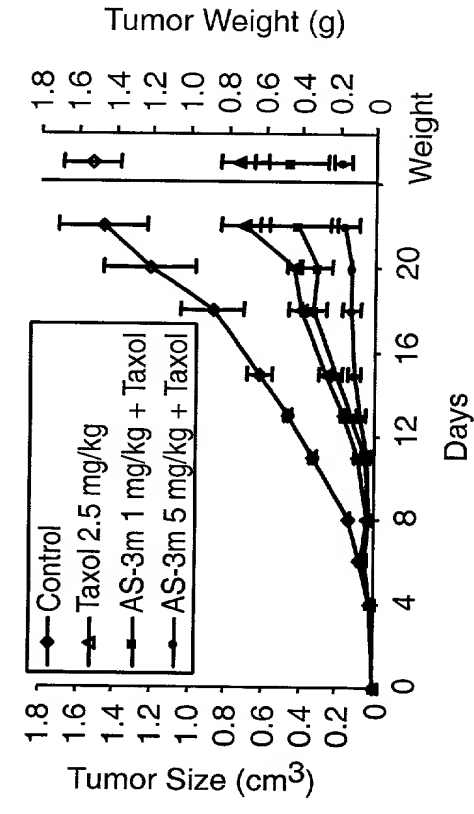
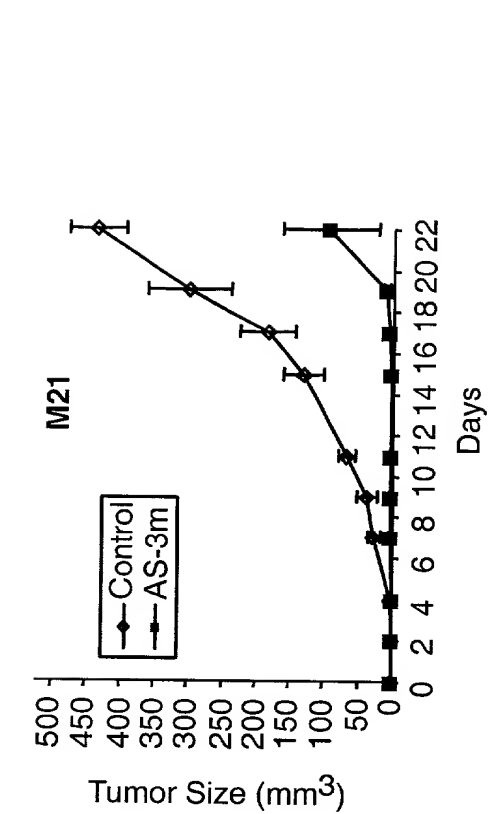
**FIG.\_18J**



**FIG.\_18K**

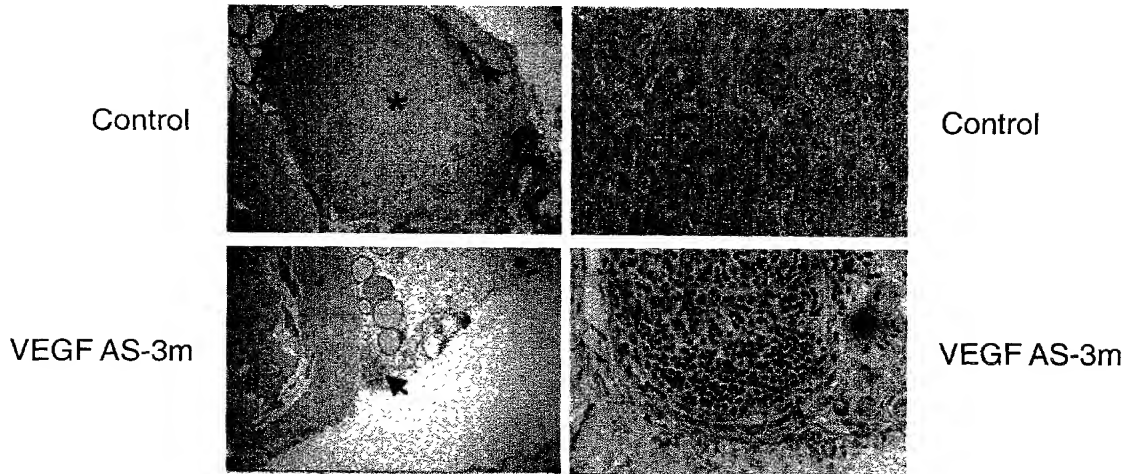
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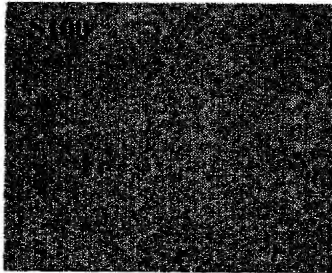
**FIG.\_21A**      **FIG.\_21B**



**FIG.\_21C**      **FIG.\_21D**

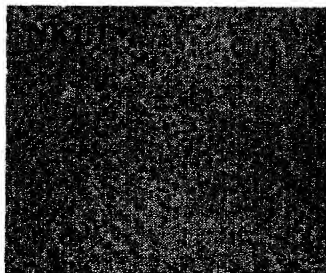
**FIG.\_21E**

Control



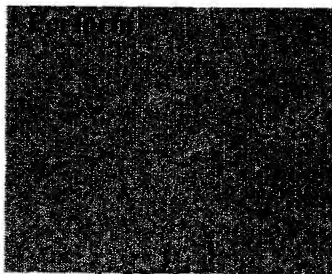
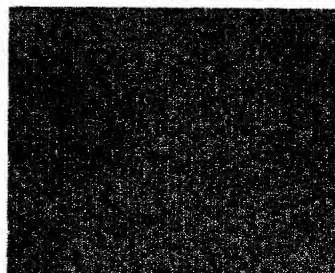
**FIG.\_21F**

Control

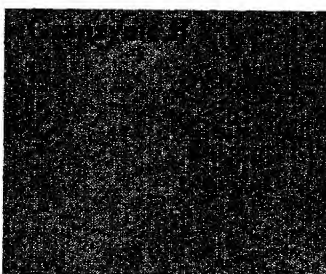


**FIG.\_21G**

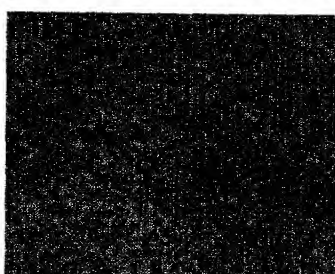
Control



Control



Control



Control

**FIG.\_21H**

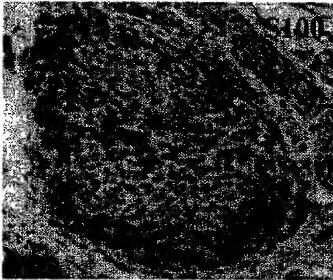
**FIG.\_21I**

**FIG.\_21J**

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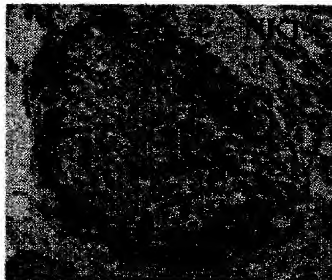
**FIG.\_21K**

VEGF AS-3m



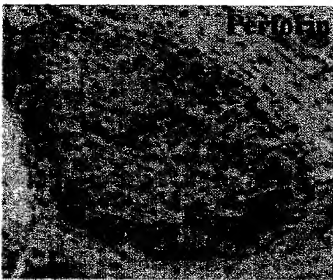
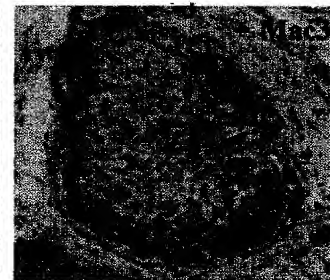
**FIG.\_21L**

VEGF AS-3m

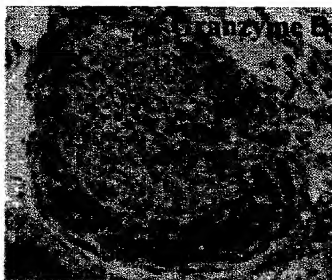


**FIG.\_21M**

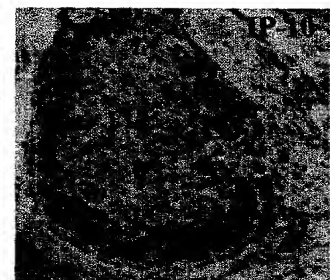
VEGF AS-3m



VEGF AS-3m



VEGF AS-3m

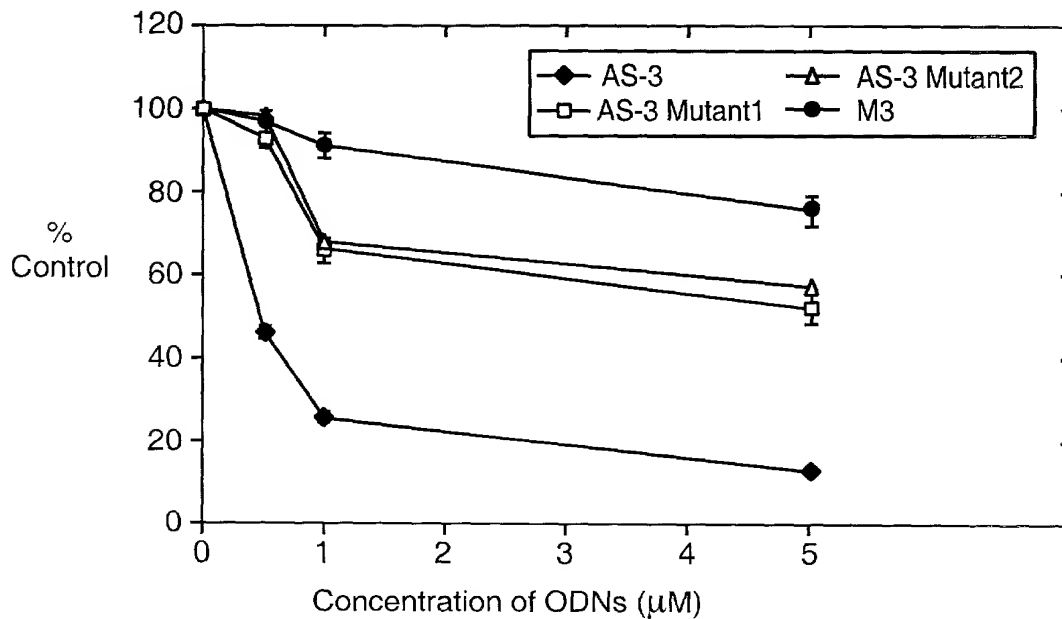


VEGF AS-3m

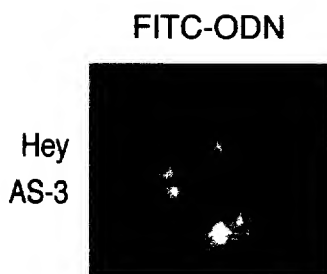
**FIG.\_21N**

**FIG.\_21O**

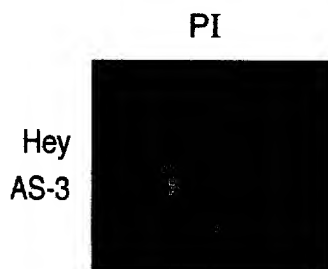
**FIG.\_21P**



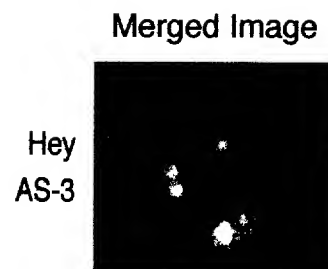
**FIG.\_22**



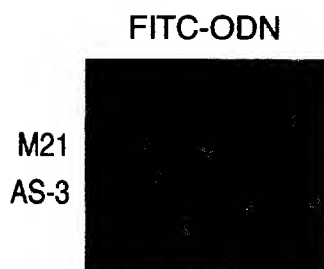
**FIG. 23A**



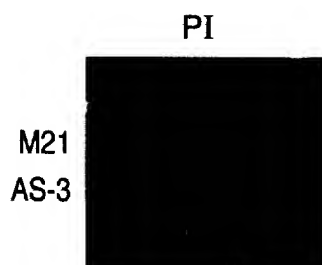
**FIG.\_23B**



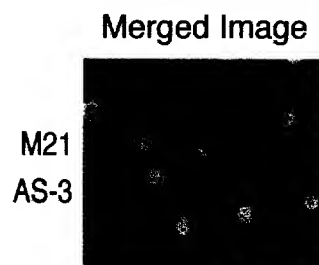
**FIG. 23C**



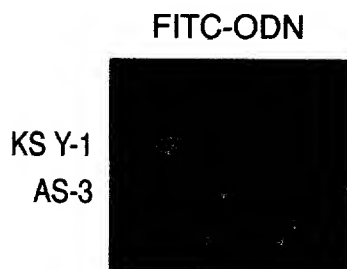
**FIG. 23D**



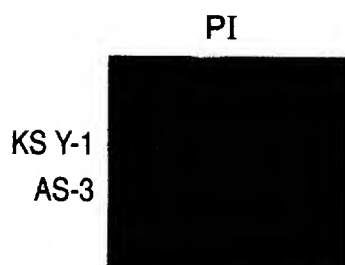
**FIG. 23E**



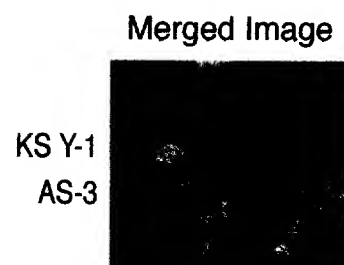
**FIG. 23F**



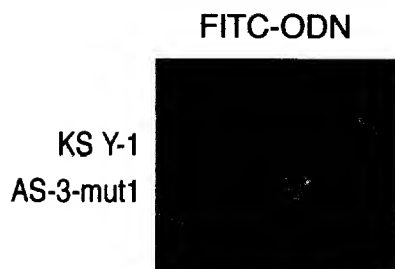
**FIG.\_23G**



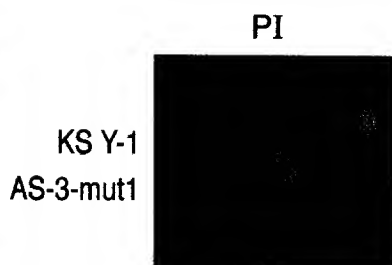
**FIG. 23H**



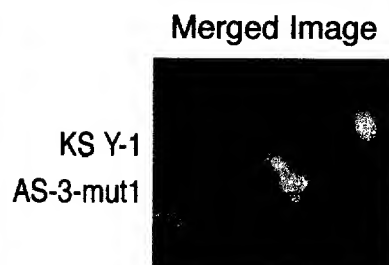
**FIG. 23I**



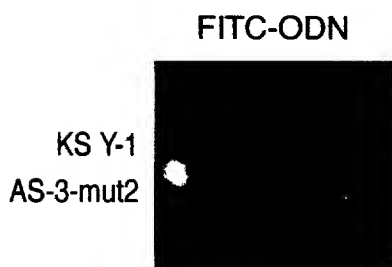
**FIG.\_23J**



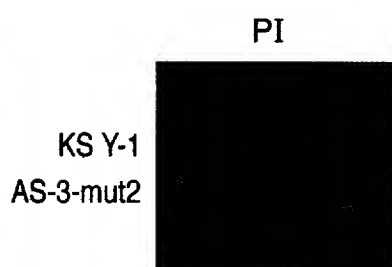
**FIG. 23K**



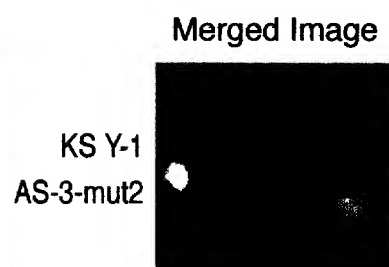
**FIG.\_23L**



KS Y-1  
AS-3-mut2



KS Y-1  
AS-3-mut2



KS Y-1  
AS-3-mut2

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FITC-ODN

Hey  
AS-3



**FIG.\_23A**

PI

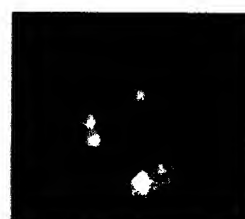
Hey  
AS-3



**FIG.\_23B**

Merged Image

Hey  
AS-3



**FIG.\_23C**

FITC-ODN

M21  
AS-3



**FIG.\_23D**

PI

M21  
AS-3



**FIG.\_23E**

Merged Image

M21  
AS-3



**FIG.\_23F**

FITC-ODN

KS Y-1  
AS-3



**FIG.\_23G**

PI

KS Y-1  
AS-3



**FIG.\_23H**

Merged Image

KS Y-1  
AS-3



**FIG.\_23I**

FITC-ODN

KS Y-1  
AS-3-mut1



**FIG.\_23J**

PI

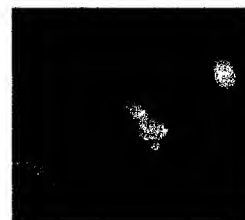
KS Y-1  
AS-3-mut1



**FIG.\_23K**

Merged Image

KS Y-1  
AS-3-mut1



**FIG.\_23L**

FITC-ODN

KS Y-1  
AS-3-mut2



PI

KS Y-1  
AS-3-mut2

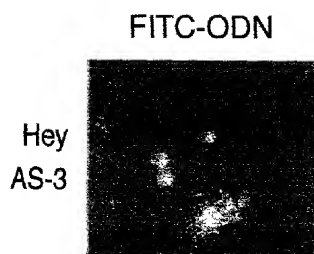


Merged Image

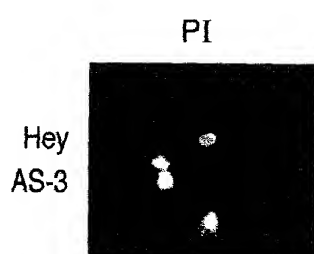
KS Y-1  
AS-3-mut2



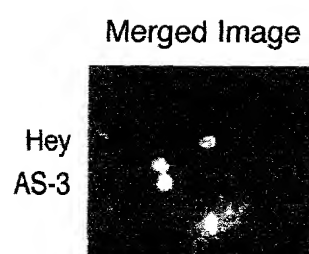
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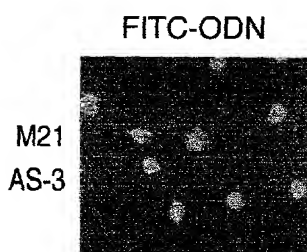
**FIG.\_23A**



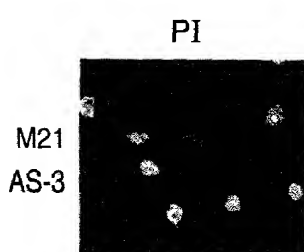
**FIG.\_23B**



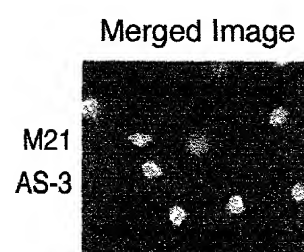
**FIG.\_23C**



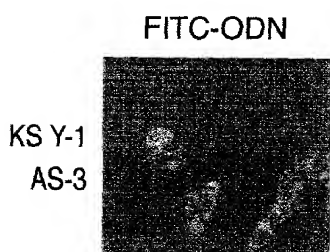
**FIG.\_23D**



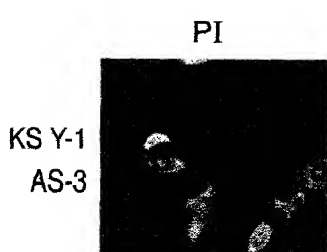
**FIG.\_23E**



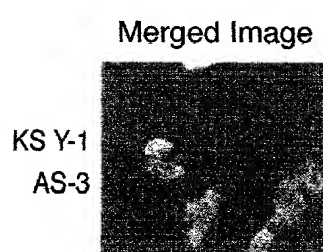
**FIG.\_23F**



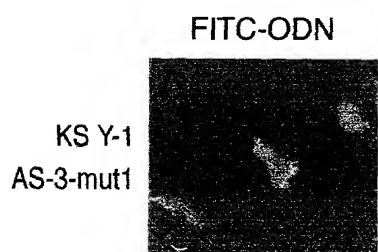
**FIG.\_23G**



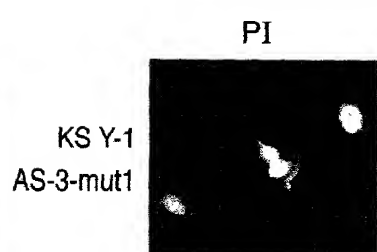
**FIG.\_23H**



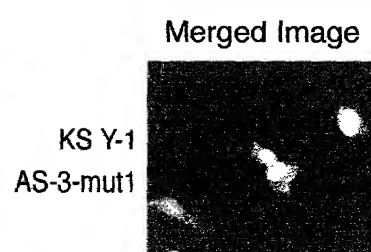
**FIG.\_23I**



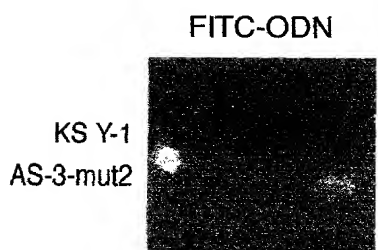
**FIG.\_23J**



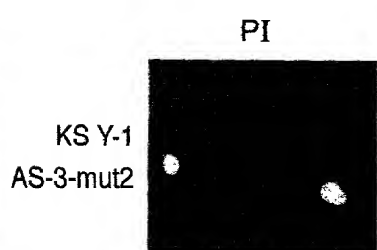
**FIG.\_23K**



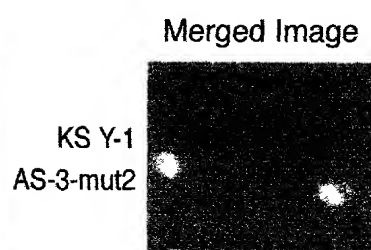
**FIG.\_23L**



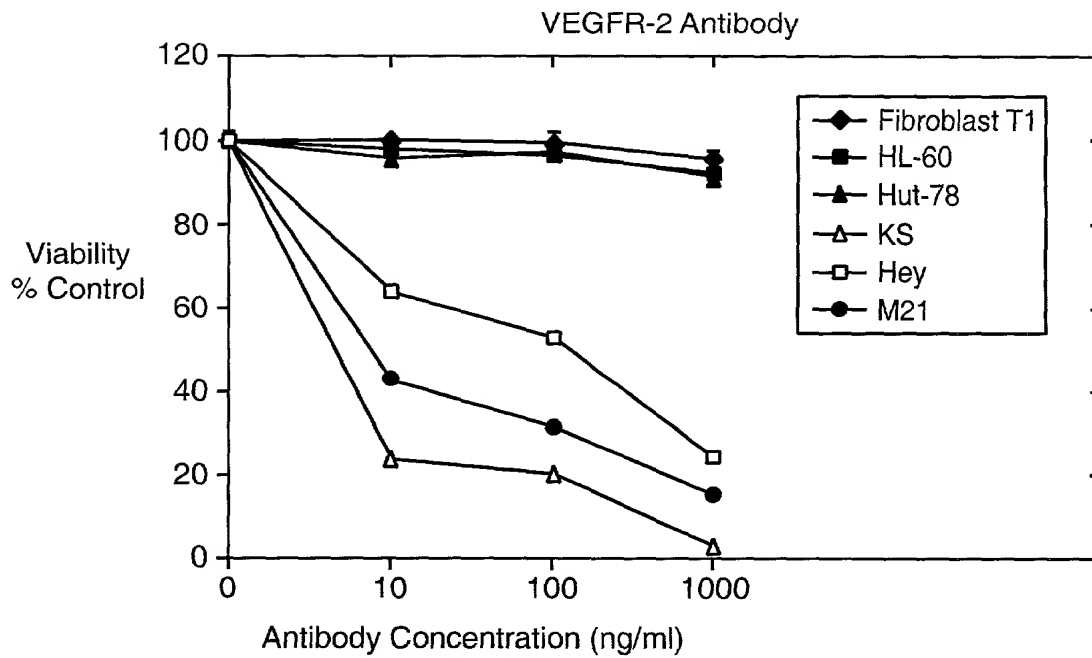
**FIG.\_23M**



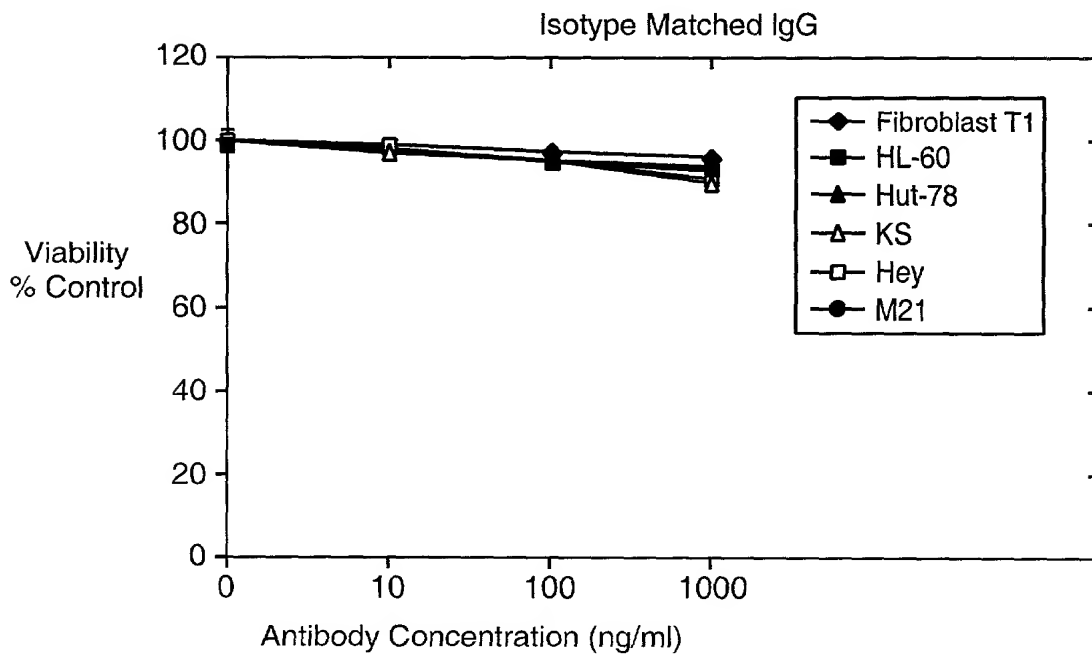
**FIG.\_23N**



**FIG.\_23O**



**FIG.\_24A**



**FIG.\_24B**